

March 1996

Volume 8, Number 3

# PLAYBACK

*In this issue:*

Executive Commentary

News Briefs

From Panasonic

POSTBOX

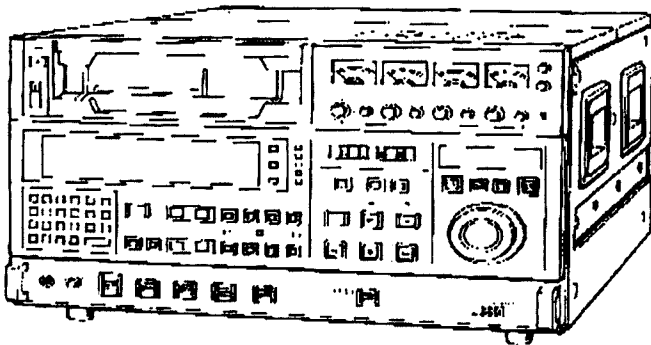
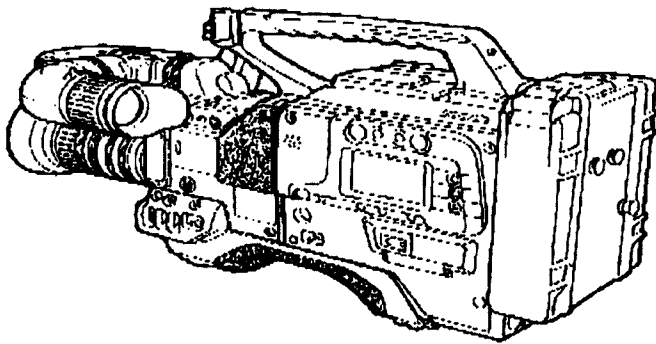
DIGITAL VIDEO JOURNALISM

NAB MEETING DATES

The Kregel Report

MII SERVICE SEMINAR

VTR SURVEY QUESTIONS



Regular Features

Trading Post

Job Shop

Duplication Facilities

Rental Facilities

Dealer Repair Centers

**MII Users Association of America**

## Corporate Sponsors

**JVC**  
PROFESSIONAL



**ENVISION**  
Multimedia  
Houston, Texas

**VIDEOGRAPHY**

**INMOTION**

FILM AND VIDEO PRODUCTION MAGAZINE

The above companies and publications have generously decided to sponsor the MII Users Association with an annual gift of \$250.00. We encourage members to show their appreciation to our Corporate Sponsors by supporting these organizations.

*If your company is interested in becoming a corporate sponsor of the MII Users Association for the low annual donation of \$250.00, call User Headquarters for details. Benefits include a prominent company listing with your logo on the inside front cover of each newsletter, a complimentary subscription to the newsletter, a certificate indicating your good standing with the association, and patronage from association members.*

Playback is a monthly newsletter published by the MII Users Association for the benefit of the members.

Executive Director David R. Gardy  
Publications Editor Paul Allin

The opinions expressed in this publication are those of the individuals quoted and do not necessarily reflect the position of Panasonic, the MII Users Association, or its members. Neither Panasonic nor the association assumes responsibility for the statements made herein nor for the alteration of any technical equipment. It is advised that you consult an authorized Panasonic dealer before attempting to repair equipment on your own.

The MII Users Association can be contacted at:

MIJ Users Association  
c/o Gardy McGrath International,  
Inc.  
1950 Roland Clarke Place  
Suite 200  
Reston, VA 22091

800-966-1030 \* (703) 620-6000  
FAX (703) 620-0451

## ENSEMBLE PRO EDITORS. ON-LINE, ON TIME, ON BUDGET. POWER, SPEED AND EASE

☐ Pre-Read ☐ 10 Bins ☐ 10 Macros ☐ 4  
Channel Audio ☐ Built In VTR Drivers ☐  
☐ Pre-Cue ☐ On-Line Help ☐ Variable  
Speed Motion Control ☐ Fit-Fill ☐ 2000  
Line EDL/BIN ☐ Full List Management  
☐ Session Logger ☐ Scene Logger ☐  
Multi-Linear™ Ready ☐ AND MORE...

**ENSEMBLE PRO 2: \$2,995.00**

**ENSEMBLE PRO 3: \$5,995.00**

**ENSEMBLE PRO 5: \$8,995.00**

**ENSEMBLE PRO 9: \$10,995.00**

**ETC!**

**EDITING TECHNOLOGIES CORPORATION**  
11992 Challenger Court, Moorpark, CA 93021  
Phone: 805/529-7074 Fax: 805/529-6744

© 1996 Editing Technologies Corporation, Inc.

# Executive Commentary

## March 96 User's Meeting & Reception On Monday Of NAB

### The DVC-PRO Revolution Begins.... with New Incentives for MII User's!

**T**he MII User's Association of America will meet on Monday, April 15 at the Riviera Hotel from 2-4 PM with reception from 4-6 to follow. It is extremely important that all members who will be at NAB attend this meeting. Many important issues will be discussed including the future of our association and the expansion of our mission to include users of other technologies. Just as important, a presentation on MII tape will be distributed at this meeting that will outline the benefits of working with **DVC-PRO** and MII in transitional configurations, in addition to announcing a **DVC-PRO** acquisition incentive program that Panasonic will be introducing for **MIJ Members ONLY**. Panasonic representatives will be available to answer questions about the program and representatives from dealers offering additional incentives to our group will also be present. These incentive programs will be available for a limited time only. That's why attendance at this meeting is extremely important. It will allow you the ability to become familiar with the deals that are being offered immediately, allowing you ample time to make any purchasing decisions.



The purpose of this incentive program is not to abandon the MII format, but rather to provide MII users with a path towards integrating **DVC-PRO** into their production work, while still taking advantage of their investment in MII. MII sales are still surprisingly strong and the format shows no signs of weakening even after it enters its tenth year of the product cycle. The unique incentive program is a way everyone can win and Panasonic can reward MII Users for their product loyalty.

The Users meeting will also feature several speakers who will provide a range of perspectives on the future of our association and the format itself. Come See Us at **Booth No. 5142**

As always, we'll be right there on the NAB floor. Please check in with us on Monday morning to confirm your attendance at the meeting that afternoon. We'll also be able to provide users access to our booth

phone at no charge! (If you've ever been to NAB you know that this is a valuable commodity if you have to walk the floor and still check back with the office). If you can't make NAB and still want to find out what's going on at the show, call us at user headquarters during NAB week and we'll be able to give you our booth phone number! (702) 774 0297 We'll be able to give you up to the minute reports on floor activity.

## MIJ USER'S HAVE A WEB SITE

That's right! The MII Users Association of America is now on the World Wide Web! You can reach us at <http://www.gardy-mcgrath.com/mii>. We're still doing a little bit of construction at the site but check in and leave us an E-mail when you have the opportunity. Hopefully this will allow us to better serve our membership as we enter into a new era with our group.

Well, there you have it. We'll have a full report on all NAB activity as it relates to our group in the next newsletter. We look forward to seeing everyone at the show. I think the incentive programs that will be announced and the experimentation we did with **DVC-PRO** /MIJ interfaces which appear on our giveaway MII tape will appeal to a wide sector of the user base. NAB is always a heady experience and this year the place will be quaking with technological tremors. I look forward to seeing you there!

# WE'VE MOVED

But that's not all... we're now offering a very  
special deal to celebrate our new facility

## VHS DUPLICATION

For only  
**.68¢ EACH**



# 1-800-USA-TAPE

American Magnetic Media will duplicate 1000 of your marketing or product videos for only \$ .68 cents per unit \* Our recent move to our upgraded facility has allowed us to increase our production out-put by 500%. We want you to experience our service and quality through this price breaking offer. Naturally this offer is extended to our current customers as well.

Please call for details  
American Magnetic Media Inc.  
13892 Smith Drive Denver, Co 80011  
1-800-USA-TAPE x 108

\* Includes tape stock (Fuji) and duplication only. Program must not exceed 4 1/2 minutes in length. While tape supplies last.

**NAB 96  
APRIL 15 - 18  
MII USER'S BOOTH # 5142  
BOOTH PHONE #  
(702) 774 0297  
MII USER'S MEETING  
APRIL 15  
2:00 - 4:00  
RIVIERA HOTEL  
ROOM D  
RECEPTION IMMEDIATELY  
FOLLOWING  
4:00 - 6:00  
RIVIERA HOTEL  
ROOMS 4-5**

**LOOK FORWARD TO SEEING ALL  
OF YOU AT THE MII USER'S  
ASSOCIATION ANNUAL MEETING**

## 1996 UPDATED INFORMATION

### MII Product Parts Retention Guideline

Panasonic has established the following guidelines for retention of MII product replacement parts. The retention period for replacement parts commences when production of complete units is discontinued

CATEGORY OF REPLACEMENT PARTS	RETENTION PERIOD
Printed materials and packaging materials .....	1 Year
Non-functional Parts..... (Applicable to the products of which production was discontinued before November, 1981)	5 Years
Non-functional Parts .....	7 Years
(Applicable to the products of which production was discontinued after December, 1981)	
Functional and electrical parts and integrated circuits.....	7 Years
Semi-conductors (except integrated circuits and cathode ray tubes).....	9 Years

#### Definition of Replacement Parts Categories

**Printed Materials**

Operation manuals and other printed materials.

**Packaging Materials**

Packaging materials necessary for products to be sold as new.

**Non-functional Parts**

Ornamental parts, except knobs and push buttons, which are not so vital to performance of product.

**Functional Parts**

Mechanical parts which are vital to performance of product.

**Electrical Parts**

Parts which work by electricity

#### DISCONTINUED (UPDATED)

#### CURRENT (As of Oct. 95)

Model                      Date Discontinued (UPDATED)

AU-630	Sep. 89	AU-W32R
AU-400	Sep. 89	AU-W33R
AU-500	Sep. 89	AU-W35R
AU-505	Nov. 93	AU-410/S
AU-520A	Sep. 93	AU-45H
AU-550	Sep. 89	AU-55H
AU-60	Sep. 90	AU-62H
AU-62	Sep. 92	AU-63H
AU-620	Sep. 89	AU-65H
AU-63	Sep. 93	AU-A950HD
AU-640	Sep. 89	AU-W32H
AU-65	Sep. 93	AU-W33H
AU-650	Sep. 88	AU-W35H
AU-660	Sep. 90	
AU-665	Aug 94	
AU-A950HD	Sep. 94	

# The Association needs your 1995-1996 membership dues!!!!

***This form and a \$25.00 fee are required to continue membership in the association and receive this monthly newsletter. Please don't hesitate. (Thanks to the many who have already sent in their membership fees!)***

We have tried to make this form as simple as possible. Please take the time to fill it out now. We would appreciate it if you would take a few extra minutes to provide the information in the "optional" section so that we may better serve the association. This form and your \$25.00 dues must be returned *immediately*. ***Make checks payable to the MII Users Association of America. Return to: MII Users Association of America, c/o Gardy-McGrath (Int'l), Inc., 1950 Roland Clarke Place, Reston, VA 22091. Phone (703) 620-6000, fax (703) 620-0451.***

## Membership Registration Form

Date: \_\_\_\_\_ Renewal: \_\_\_\_\_ New Member: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Company Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

Type of Business/Services: \_\_\_\_\_

### ***Optional:***

How did you hear about the association? \_\_\_\_\_

Check all that apply: Duplication facility (List additional formats below) \_\_\_\_\_ MII Rental Facility \_\_\_\_\_

MIJ User \_\_\_\_\_ MII Owner \_\_\_\_\_ MII Dealer \_\_\_\_\_ MII Repair Center \_\_\_\_\_ Other \_\_\_\_\_

If you own MII, how long have you had it? \_\_\_\_\_

What model numbers? \_\_\_\_\_

If you do not own MII, are you planning to purchase?

\_\_\_\_\_

Additional Comments/Equipment: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Check number: \_\_\_\_\_ Name on Check: \_\_\_\_\_ Date: \_\_\_\_\_

Check or Credit Card (VISA or MC only) Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_ Authorized Signature: \_\_\_\_\_

***Dues cover the period from Sept. 1, 1995 through Sept. 1, 1996. Below is for office use only.***

Received: \_\_\_\_\_ Membership List: \_\_\_\_\_ Mailing List: \_\_\_\_\_



## **TECHNICAL MAINTENANCE SERVICE CENTER**

THE EASY AND ECONOMICAL METHOD OF TAPE MACHINE MAINTENANCE

- ★ **SERVICING M-II & D-3**
- ★ **AUTHORIZED PANASONIC REPAIR CENTER**
- ★ **YEARLY MAINTENANCE CONTRACTS**
  - ALL PARTS INCLUDED
  - THREE DAY TURNAROUND OR LOANER PROVIDED
  - RETURN FREIGHT PAID
  - EQUIPMENT HISTORY REPORTS
- ★ **NON-CONTRACTUAL MAINTENANCE**
  - HOURLY RATE
  - SHORT TURNAROUND TIME
- ★ **MANUFACTURERS WARRANTY WORK**

Call Larry S. Jefferson  
(703) 739-5204



## MII Tape Degausser



Model TD-5

**ERASES ALL TAPE FORMATS INCLUDING:**  
**MII - BETA SP - D2 - 1" Reels**

**Only \$1,695**

**AUDIOLAB ELECTRONICS, INC.**

5831 Rosebud Lane, Bldg. C  
 Sacramento, CA 95841  
 Fax: 916-348-1512

**1-800-624-1903**

## NAB

**APRIL 15-18**

**MII USERS BOOTH # 5142**

**MII USERS MEETING APRIL 15**

**RIVIERA HOTEL**

**ROOM D 2:00 - 4:00**

**RECEPTION ROOMS 4 - 5**

**4:00 - 6:00**

**BOOTH PHONE**

**(702) 774-0297**

## MII Rental Facilities

*Contact the association if you would like your company added to this listing.*

**Alpha Video** Edina, MN  
 (612) 896-9898  
 Complete MII Edit Facilities

**AudioVisual Headquarters**  
 Rancho Dominguez, CA  
 (310) 885-4200 Rent out 3-AU-65's, they have shipping cases.

**Avon Productions** S. Plainfield, NJ  
 (908) 756-0643 Studio & Field MII, Cameras, etc.

**Avonix** Brookfield, WI  
 800-222-6050  
 Full line of MII available

**Broadcast Video Products**  
 480 Main St Armonk, NY  
 (914) 273-6649, Jack Miller

**Communications Televideo Ltd.**  
 (CTL) Silver Spring, MD  
 (301) 585-6311 AU-65, D-3 AJD350 Editor, D-3 AJD310 Camcorder

**Cinequipt** St Paul, MN  
 (612) 646-1780 Full line of MII available

**ECI Video** Dallas, TX  
 800-880-9400  
 AU-63H, AU-65H, WV F700 cam /AU-410 dockable

**Metrovics, Inc.** Los Alamitos, CA  
 (310) 430-3509 Full line of MII

**Professional Desktop Video Systems**  
 Glendale, CA  
 800-862-7820  
 Camcorder WV-F700/AU 410

**Pro Line Video** Austin, TX  
 (512) 837-2000 x30  
 Full line of MII available

**Pro Video & Computer Depot**  
 Orlando, FL  
 (407) 438-1717  
 VCR's, cameras, VW 565, WVF 500 Marshall Hamm

**Russell Video Svs. Inc.** Ann Arbor, MI  
 (313) 677-4400  
 Bob Russell

**Video Management Systems**  
 Indianapolis, IN  
 (317) 639-6163 Sony M7 Cam., AU 500 Portable MII Deck

**Video Replay** Chicago, IL  
 (312) 467-0425 AU-66H

**Vidicom Distributors**  
 Houston, TX  
 (713) 694-6400

**WGVU/WGVK-TV**  
 Grand Rapids, MI  
 (616) 771-6666, TDD 800-748-0488  
 AU-650, AU-500, AU-400

*Canadian Rentals:*

**Edcom Multimedia**  
 Kitchener, Ontario  
 N2B 2E1  
 (519) 578-2260 WV-F500/AU/-45H, AU-W35H

**Instructor Aids**  
 Halifax, Nova Scotia  
 (902) 468-2226 WV-F250/AU45H, AU-W35H

**Inter-cite Video** Montreal, Quebec  
 (514) 342-4545  
 WV-F700/AU-410's, WV-F7000, AU-520S, WV-F500/AU-45H, AU-63H,(2) AU-65H ,(1) AU-W33H, (1)AU-W35H.

**Smith Sound Productions**  
 Charlottetown, P.E.I.  
 (902) 386-2212 WV-F500/AU-45H, Full A/B Roll Edit Suite

**VidCom** Vancouver, B.C.  
 (604) 732-9711 WV-F250/AU400 Camcorder, AU-63, AU-65, AU-550

## Association Membership

If you are not currently a member of the MII Users Association of America and are interested in joining. Please fax or mail us the following information: company name, contact persons name, mailing address, phone and fax numbers (if available), if you do or do not have MII and which machines (make & model) you have. We may be contacted at:

MII Users Association of America  
c/o GMG International, Inc.

1950 Roland Clarke Pl., Suite 100  
Reston, VA 22091

Or you may fax us at (703) 620-0451,  
or call toll free at 800-966-1030. □

## THE ASSOCIATION NEEDS YOUR SUPPORT

Membership Renewal ... A  
Bargain at Just \$25 Per Year

FREE CLASSIFIEDS  
TECHNICAL INFORMATION  
AND MUCH, MUCH MORE

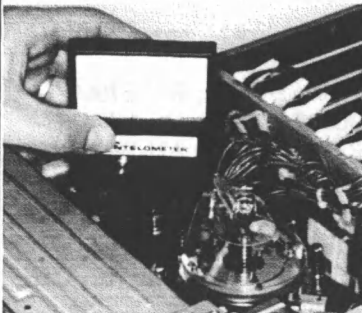
## Flex Service Support from Panasonic

*A Flexible Program which offers you  
choices to balance your service needs*  
Call Panasonic MII Support at 1-800-742-6530  
for more information

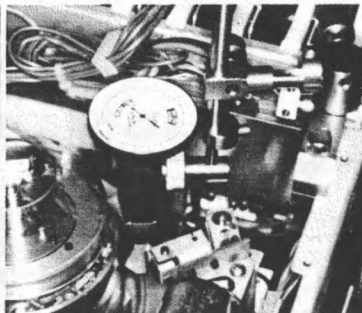
# MII REPAIR FASTER, EASIER, BETTER!

If YOU aren't using TENDEL test equipment yet, you're in for a PLEASANT SURPRISE!  
Four different, unique test instruments to help do repairs BETTER than ANY other methods!

Tape Tension Gauge  
T2-H5-SLCB \$575



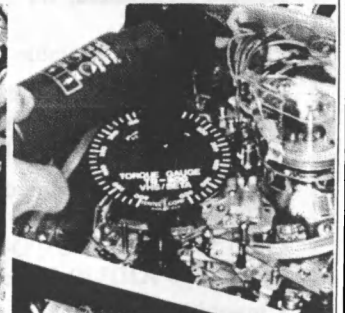
HEAD Protrusion  
Eccentricity Gauge  
HPG-1/S2 \$870



Multi-Function  
Reference Plane  
TSH-MII \$545



Dial Torque Gauge  
TQ-600 \$295



**SPECIAL MII PACKAGE PRICE! \$2285 LIST FOR \$1995: SAVE \$290**

TECHNICAL AND ORDERING INFORMATION CALL TOLL FREE (800) 538-6894

**TENDEL® CORP.**

4475 GOLDEN FOOTHILL PKWY.  
EL DORADO HILLS, CA 95762

(916) 939-4005  
(916) 939-4114 FAX

# ***EXCLUSIVE DISCOUNT ON DVC-PRO FOR ALL MII USERS***



**WASHINGTON PROFESSIONAL SYSTEMS**  
PANASONIC'S FLAGSHIP DEALER IS PLEASED TO  
ANNOUNCE AN EXCLUSIVE OFFER TO ALL MEMBERS OF  
THE MII USER'S GROUP ASSOCIATION ON THE HOTTEST  
& LATEST TECHNOLOGY IN A DIGITAL COMPONENT  
TAPE FORMAT  
**DVC-PRO**

## **FEATURES:**

- \* **DIGITAL COMPONENT 4:1:1 RECORDING**
- \* **INCREASED RESOLUTION & S/N**
- \* **FULL ARRAY OF INPUTS & OUTPUTS**
- \* **FOR EASY MIGRATION & INTEGRATION**
- \* **124 MINUTEE RECORD TIME ON 6MM TAPE**
- \* **LOWER HARDWARE & TAPE COSTS**
- \* **LESS STORAGE**

ALL MII USERS'S ASSOCIATION MEMBERS WILL BE  
OFFERED A SPECIAL **5% DISCOUNT** ON ALL DVC-PRO  
EQUIPMENT THRU WASHINGTON PROFESSIONAL  
SYSTEMS - YOUR PANASONIC FLAGSHIP DEALER

**OFFER EXPIRES JUNE 1, 1996**

WASHINGTON PROFESSIONAL SYSTEMS  
11242 GRANDVIEW AVENUE  
WHEATON, MD 20902  
(301) 942 6800





## **The KREGEL Report**

*Mark Kregel is owner of North Star Television in Aberdeen, MD. He is a recent TV Production/Filmmaking graduate (Mass Communication) from Towson State University in Baltimore. During college, he completed internships at both Maryland Public Television and the Discovery Channel. He is currently building an MII edit suite for the production of TV broadcast documentaries.*

### **MII SERVICE MAINTENANCE SEMINAR & VTR SURVEY QUESTION**

Several times a year, PANASONIC offers a set of MII repair courses in San Diego, CA. The first of these courses deals with MII studio decks and the second deals with MII portable and dockable decks. These courses run two weeks apiece. Along with seven other MII service oriented personnel, I recently had the privilege of attending the studio deck version of this course (18 to 29 March). I attended this course for two reasons. First, I own three MII studio decks myself and am constantly interested in the proper maintenance and care of these decks. Secondly, I have ties with facilities such as the MII Users Group who also have a large number of these decks.

When leaving for the course, I was in fact somewhat intimidated by the internals of broadcast grade VTR. Just taking off the top covers and watching a tape load into one of these machines is enough to instill respect. However, after this course, I am not only no longer intimidated by these machines, but I am now actively probing the internals of all of my decks. It may take me awhile to acquire all of the necessary test equipment to do every mechanical and electrical alignment on these machines, but even with the basics that I now have (a basic oscilloscope and an MII rough alignment tape) I am in fact doing basic RF envelope and tape path adjustments.

The studio deck course (specific to AU-62/63/65 but covering all decks) is roughly conducted in two sections. The first week we covered the mechanical side of the units,

everything from AC stack to full drum replacement. All major mechanical components were addressed to include a complete tape path alignment overview. The second week was electrical in nature dealing with both the broad operational theory of the units along with a broad cross section of the electrical alignments associated with the units. We didn't cover every electrical alignment but we did cover enough of them to be proficient with electrical alignments in general. Also covered in the course are common NTSC test and alignment signals (both composite and component) and an overview of modern high end test equipment (scopes, generators, etc.).

I am writing about this course for the following reason. If you own or work in an MII oriented facility and haven't heard of this course, or haven't had either yourself or one of your tech people attend one of these classes, this is something you should seriously consider. The cost of this course (2 weeks, 10 working days, approximately 80 hours, books & lunches included) is \$2000. However, if you look at average \$100 per hour labor rate charged by many shops these days, and if you have more than a few decks in your care, you can quickly see the long term investment potential of such a course. Additionally, the basic fundamentals of such repair work apply across format lines.

In the interest of keeping people informed about these courses (I hadn't heard of them until just 4 months ago) we will now devote a page or section of this newsletter to these course dates and to the course point of contact: Mr. Harry Foulds (201) 392-4274. Look for this information in coming episodes.

Along other lines, a question developed during my attendance of the MII repair course that I want to pass on to MII users in the form of a survey. This is as follows. There are thousands of MII decks currently in use world wide. These range from the AU-650's to AU-35W's. In the interest of parts infrastructure and other technical support for these decks, I am curious how many decks of any given type are currently in use and where. Along these lines I would like to propose a survey that I think will be unique among any video tape format. I would like to ask every MII user who reads this article to take the time to cut out or copy the pre-addressed "mail in form" in this issue, fill it out, fold it up, put a stamp on it and mail it to me. This form will briefly state the number of decks that you currently have or that you work with (studio, portable, dockable, Panasonic or JVC), the general model number of these decks (i.e. AU-63H, AU-410, JVC KRM-820) and your business or station name.

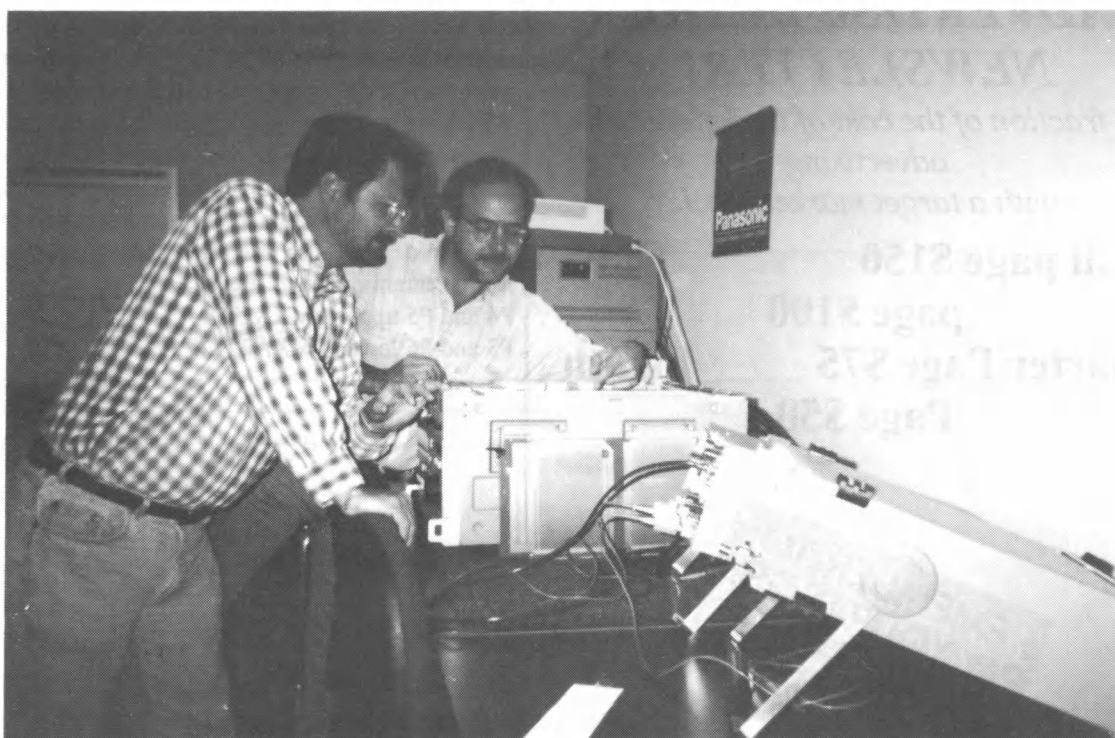
In the coming months, we will compile this data into a comprehensive list and we will then update this list on a monthly basis. If there is a group of us who have AU-650's who have concerns about future parts availability, we can now become a group voice specifically in terms of the number of decks that we represent. Again, such a survey would be unique in terms of a tape format user base, and I sincerely ask



## MII SEMINAR SURVIVORS



Graduates of the latest MII Service Maintenance course from L to R:  
Instructor Greg Capelo, Sean Hoar, Patrick Glover, Greg Thompson, Glen Sienko, Michael  
Burger, Daniel Andrews, Tom Schenk, Mark Kregel



Greg Thompson and Patrick Glover perform checks on AU-65.

you to take the time to mail this in to me.

A last note. I wish to give a note of thanks to Harry Foulds at Panasonic who has been updating me on recent MII repair course dates. I also want to give a note of thanks to Greg Capelo who instructs the MII training/repair course in San Diego. Greg's instruction and attention to detail were enough to keep me engaged basically the entire 80 hours I was in his class. I also wish to thank Patrick Glover, Greg Thompson, Glen Sieko, Sean Hoar, Daniel Andrews, Michael Berger and Tom Schenk for their attendance in the class and for their participation in our after class and middle weekend activities such as the visit to Tijuana (no additional comment). Their collective friendship was valued. Later this month is NAB and after that I will start a new series of articles dealing with MII machines (maintenance and repair).

Please take a second to cut out and send in your deck survey sheet. Thanks.



## **ADVERTISE IN THE NEWSLETTER!**

*A fraction of the cost of trade journal  
advertising  
with a target market reach*

<b>Full page \$150</b>	<b>Half</b>
<b>page \$100</b>	
<b>Quarter Page \$75</b>	<b>Eighth</b>
<b>Page \$50</b>	



## **LETTERS TO THE EDITOR**

Dear fellow MII Users,

Regarding the past two issues of playback. On the last page of the newsletter, in the list of MII advantages item # 10 titled "less wear and abrasion", there is a blanket statement made that "The MII system uses ceramic edged guideposts, despite their comparatively higher cost to resist abrasion and wear caused by the tape edges". Although somewhat true, this statement is quite misleading. While true that the older (much more expensive) three digit machines (AU-660, AU-650, etc.) used ceramic tape guide flanges on the critical entrance and exit side of the drum (P3, P4, P5, P6), soft base metal was used on all other flanges. The newer two digit machines, (AU-65, AU-63, AU-62, H series etc.) do not use ceramic tape guide flanges at all. Presumably this was done to keep the cost of the machines down. Users of two digit machines may have experienced the myriad of problems related to the channel 2 linear audio track. These problems are directly related to a groove being worn in the P5 upper flange. In the MII format channel 2 audio is located on the upper edge of the tape which makes it susceptible to any movement of the upper tape edge. Also if the groove is allowed to wear deep enough, the user will experience persistent clogging of the channel 2 audio head. The metal composition of these tape guide flanges is unknown, but it is not stainless steel and is very soft. Significant groove wear usually offers at about 4000 head hours. Here at WPRI, we have developed a solution to the problem and that is to simply replace the new style (two digit) tape guide flanges with the older (three digit) ceramic flanges, which are still available as a replacement part from Panasonic. For those interested parties, the part numbers for the ceramic flanges are:  
P4 and P5 upper---VXA2271  
P3 and P6 lower---VXA2272.

Sincerely,  
Jim Costa  
Engineer, WPRI-TV

---

---

---

Place  
Stamp  
Here

MII VTR SURVEY  
c/o GMG International, Inc.  
1950 Roland Clarke Place  
Reston, VA 22091  
Attn: Mark Kregel

---

(fold)

Please list MII Studio/Portable/Dockable decks that you own, operate or service  
to include general model numbers along with numbers of units:  
(example: We have three AU-63's and two AU-65H's in our edit suites)

---

---

---

---

---

---

---

---

---

---

---

---

---

(fold)

Your business or station name and city/state:

---

---

---

Any additional comments you may have:

---

---

---

---

(Please fold so address at top is exposed, tape shut, affix stamp and mail)

Thanks

## **MII SERVICE MAINTENANCE SEMINARS**

### ***ADVANTAGES OF ATTENDING AN MII SERVICE TRAINING SEMINAR***

Learn about:

- \* The MII format and specifications.
- \* Mechanical operation and alignment procedures.
- \* Video and Audio Head alignment. Troubleshooting hints will also be covered.
- \* Serve operation and troubleshooting.
- \* Record and playback circuitry and Alignment procedures.
- \* System Control circuitry, along with interfacing and edit control circuits.
- \* TBC, Time code generator, Genlock, Audio and Power supply circuitry.
- \* Lab assignments will demonstrate proper alignment procedures.
- \* Service Training allows you to hold down costs. It's like having a Panasonic Engineer on your staff.

### ***COURSE FEATURES***

MII Seminars feature both classroom presentation and hands-on labs training.

Seminar size is limited to allow for personal one-on-one training.

Classroom presentations will cover block diagrams and troubleshooting methods.

Video head alignment will be covered in detail.

All Service Manuals and Seminar materials are the students to keep.

The Instructor is a noted author and expert in videotape recorder servicing.

Tuition fee covers Lunch, Breaks, Training and Materials.

## **REGISTRATION INFORMATION**

FOR INFORMATION CALL:

(201) 392-4274 9 AM - 5 PM EST.

OR FAX:

(201) 348-7950

**REGISTER EARLY BECAUSE  
CLASSES FILL UP FAST**

**PAYMENT BY:  
CHECK, MONEY ORDER  
VISA/MASTERCARD**

**TUITION COST:  
\$2,000.00**

### ***SEMINAR DATES***

**STUDIO RECORDERS  
(AU-65, 63,62)**

**DATE & LOCATION  
MARCH 18-29  
SAN DIEGO, CALIFORNIA**

**PORTABLE SERIES  
(AU-410, 520)**

**DATE & LOCATION  
APRIL 22 - MAY 3  
SAN DIEGO, CALIFORNIA**



*News from...*

# PANASONIC

## TCI SELECTS PANASONIC POSTBOX FOR ON-LINE EDITING

SECAUCUS, NJ (March 1996) — Tele-Communications Inc. (Denver, CO), the nation's largest cable operator, has recently installed a Panasonic Postbox nonlinear editing system in its National Digital Television Center in nearby Littleton. The Postbox is used to perform on-line editing of promotional spots for five channels of Request TV Pay-Per-View services, as well as for TCI's own corporate videos.

Fred Ramsey, TCI's Manager of P-P-V Origination, says that in purchasing the Panasonic Postbox, he ended a search for "a true on-line nonlinear tool."

"Previously, we'd been editing all our promotional and interstitial programming in an analog on-line room," explains Ramsey. "Because of the nature of P-P-V programming, we sometimes need to make up to 50 different versions of just one promo. Imagine how time-consuming it was to customize

each spot working with analog, linear equipment.

"Now, with the Postbox, to a large extent we simply click and drag the correct voice-over and graphic, set up a time line, and let the system crank up and perform the assignment virtually unattended."

Panasonic positions the Postbox as a genuine advance in the nonlinear editing world, as it gives users the ability to perform all the functions of a complete post-production facility in one turnkey system. Postbox offers M-JPEG image quality and fast editing on standard, small computer hard drives, eliminating tape shuttle time and allowing an operator to re-order scenes quickly and easily. A complete character generator, a powerful paint system and A/V special effects package are standard components of the system.

Ramsey refers to the "Postbox time line"; using the system's Sequence Editor time line, scenes can be easily placed by grabbing "picons" (picture icons) and moving them on the time line. From a "Bin," sequences, effects and multi-layering can be combined using functions within the Postbox toolbox.

Ramsey says Postbox is proving every bit as effective in editing TCI's busy schedule of corporate videos. "Given the scope of TCI, our corporate work is very heavily scrutinized, with a lot of revisions typically being made after a first cut,"



Fred Ramsey, Tele-Communications Inc.'s Manager of P-P-V Origination, selected the Panasonic Postbox for on-line editing of promotional spots and corporate videos.

he explains. "Working with a nonlinear system, it's much easier to make changes. DVE moves, CG graphics and an Edit Decision List are all saved on the time line in one file."

Before selecting the Panasonic Postbox, Ramsey recounts that he looked "at every system available". "Postbox had the best CG on the market—it has the quality and flexibility of a discrete piece of broadcast gear, which is exactly what we need for our graphics-intensive work, especially for P-P-V," he says. "Postbox produces an image quality comparable to Betacam, and in test-driving the system, I found it very reliable. Other systems were crash-happy; Postbox is solid as a rock."

Ramsey says that as a big Panasonic D-3 customer, he was well-acquainted with Panasonic's high level of customer service. TCI deploys more than 80 D-3 digital composite VTRs at the National Television Center for on-air playback and mastering all promotional programming.

The Postbox is hooked up to a AJ-D350 D-3 VTR; three additional 14-gigabyte hard drive arrays are also part of the system. Ramsey says Postbox was installed in under an hour. "I love the fact that it's a real turnkey system," he comments. "All I needed was an NTSC monitor and a D-3 deck."

In its first month of operation the Postbox was used to edit a five-minute demo tape shown on the show floor at NATPE ("People seeing all the page turns thought we'd used a million-dollar switcher," says Ramsey); roll-in tapes shown to international television executives at a TCI Technology Day; and for a six-minute "tour" of the Television Center.

"As P-P-V services continue to expand rapidly, I intend to add three or four more Postbox systems within a year," Ramsey notes. "Within three - five years, I expect we'll be doing totally nonlinear post-production, and using tape only for archiving."

**Editorial Contacts: Jim Wickizer or Pat Lamb  
(201) 392 4319 (518) 692 8150**

### ***Have you returned your membership registration form and \$25.00 dues?***

If not, please do so immediately!!! *Make checks payable to the MII Users Association of America.*  
Return form (page 2 of this newsletter) and payment to:

MII Users Association of America  
c/o Gardy-McGrath (Int'l), Inc.  
950 Roland Clarke Place, Suite 100  
Reston, VA 20091

(703) 620-6000 or 1- 800-966-1030 Fax: (703) 620-0451

### **PANASONIC VISIONSERIES FIRMWARE FACILITATES INTEROPERABILITY WITH LEADING VIDEOCONFERENCING SYSTEMS**

SECAUCUS, NJ (March 1996) Panasonic Broadcast & television Systems company has announced a new RS449 board for its line of VisionSeries videoconferencing products that provides H.320 interoperability with PictureTel, CLI and VTEL codecs.

PBTSC markets four videoconferencing systems, the VisionSeries 50, 100, 300 and 500; the products range from an executive-level tabletop system priced at \$14,995, to a fully-featured group conferencing rollabout priced at \$30,995.

Using the board, called the WG-ZR100, with such designated I-MUX's as the Ascend Multi-Band Plus / VSX or Adtran's I-MUX, provides "bonding," allowing interoperability with other brands of videoconferencing systems. The WG-ZR100 also allows for a broad range of transmission speeds, from 112 Kbps to full T-1/PRI on BRI, T-1, and ISDN/PRI lines. Full T-1 transmission makes it possible to maintain high frame rates even if the picture contains numerous motions throughout the broadcast. (Communicationg at full T-1 is equivalent to 1.54 Mbps transmission speed, which yields superb motion handling.)

Once the WG-ZR100 is installed in Panasonic's WG-AV120 codec, dialing is simplified through the menu-driven Graphical User Interface with V.25bis standard dialing, which is supported by Ascend and Adtran. The board is also equipped with three BRI capability. If the application does not require bonding, H.221 internal channel integration allows for teleconferences up to 6B without an I-MUX.

Panasonic designs and manufactures solutions for economical video communications. The company provides a broad range of videoconferencing, video and audio products for business, government, educational and health care organizations, as well as broadcast, cable and post-production facilities.

The WG-ZR100 is now available now at a suggested list price of \$3,235. For more information on this upgrage, call Frank Fish at (201) 271-3473.

## VNI COMMITS TO DIGITAL VIDEO (DV) JOURNALISM

### Pioneering News Organization Calls Panasonic AG-EZ1U "Small, Simple, High Quality"

**SECAUCUS, NJ (March, 1996)**—NYT-Video News International (VNI) (Philadelphia, PA), the trailblazing video journalist news gathering enterprise, has recently purchased 25 Panasonic AG-EZ1U DV camcorders. The AG-EZ1U is a Digital Video (DV) format 3-CCD digital signal processing camcorder that weighs less than 2.4 pounds. After a well-documented and highly successful trial with AG-EZ1U prototypes, VNI has likewise purchased eight AJ-D750 DVCPRO studio editing decks for playback of DV videotapes.

Founded in 1993, VNI adopted as its credo, "one journalist, one small format camera.: It has succeeded to the point where the organization now has 80 video journalists working in more than 20 countries worldwide; VNI clients, who have purchased stories ranging from 30-second spots to full-length documentaries, include every major American network, the BBC, NHK, CBC and RTE. To date, VNI has been the largest professional user of Hi-8 camcorders (110 units) and tapes in North America. Last spring, the New York Times Co. purchased an 80% stake in the company.

VNI president Michael Rosenblum says, "What we've wanted, and now found in the AG-EZ1U, is a camcorder that anyone can operate and that produces a product better than Betacam.

"Clients have never questioned our nimbleness or ability to gather unique footage, but we had a hard time convincing them that Hi-8 produced broadcast quality. The AG-EZ1U produces astonishingly high-quality images, and there's simply no issue with clients that it's top-drawer broadcast quality."

Rosenblum has said that the first time he screened DV footage internally at VNI, the room "erupted in spontaneous applause".

"This is what we've been waiting for," he explains. VNI intends to totally convert news acquisition to the DV format within a year. The company has used the DV camcorder on a number of assignments including **TRAUMA: Life and Death in the ER** premiering March 13, 1996 on the Learning Channel. VNI is also working on "**Science Times**", a television series coming to The Learning Channel in the fall of 1996.

The Panasonic AG-EZ1U records one hour of component digital video on a miniature DAT-sized 1/4 inch (6.35) cassette. The hand-held camcorder features three 1/3 inch IT CCD's, 10x optical and 20x digital

zoom, a signal-to-noise ratio of 54dB, minimum illumination of 5 lux and draws only 7.5 watts of power. Tapes recorded in the DV format can be played by DVCPRO studio VTR's, facilitating the use of DV footage in professional applications.

VNI vice-president / production Reuben Chodosh echoes Rosenblum's sentiments that the DV camcorder yields "tremendous image quality". "The AG-EZ1U is small and easy to operate. We like the design. The camera handles light very well and produces really sharp images", he comments.

Chodosh explained that VNI has been bumping DV footage to Beta, and then editing on an Avid 4000. The organization has just taken delivery of its first Panasonic AJ-D750 editing deck, with RS-422A serial control, and compatible with the AG-EZ1U. "If DVC is as good in generation loss as I expect", says Chodosh, "this will become the ENG format to beat".

The AJ-D750 studio editing VTR offers two hours of recording, frame accurate editing, jog/shuttle capability, insert/assemble editing, digital slow motion, and LTC/VITC time code recording/playback. Other key features include two channels of PCM audio, digital component serial SMPTE 259M (optional) and RS-422A serial interface, all in a four-rack unit package that installs easily both in the studio and OB vans.

Both the AG-EZ1U and AJ-D750 are available now, at suggested list prices of \$4,500 and \$17,500, respectively.

**Editorial Contacts: Jim Wickizer or Pat Lamb  
(201) 392 4319 (518) 692 8150**

## MEMBERS OF THE PRESS

**Panasonic Broadcast & Television Systems** cordially invites you to a forum of **DVCPRO** users, to be held in the **DVCPRO** theater in Panasonic's **NAB Booth #10,000, Tuesday, April 16, from 2:00 p.m. - 3:00 p.m.** Customers ranging from leading news organizations to trend-setting production facilities will briefly discuss their experiences as early adoptors of the **DVCPRO** format; ample time will be devoted to questions-and-answers.

We would appreciate your **RSVP to Pat Lamb, (518) 692-8150 by Tuesday, April 9**; seating in the theater is limited. We look forward to seeing you at NAB.

Come see the exciting projects being produced on **DVCPRO!**

Regards,

Jim Wickizer  
Manager, Advertising & Public Relations

# **PANASONIC MII TRAINING VIDEOS**

## **NOW AVAILABLE!!!!**

This set of three 30 minute videos feature preventive maintenance, troubleshooting, applications overview, upper drum replacement, and basic service procedures. Specifically, items covered include the following:

### **(I.) PANASONIC MII EQUIPMENT TRAINING-LESSON I**

#### **RECOMMENDED CLEANING AND MAINTENANCE PROCEDURE**

##### **Sections-**

- 1.0 - Upper Drum
- 2.0 - AC Head Stack
- 3.0 - Field Cleaning the Portable Unit
- 4.0 - Tape Path
- 5.0 - Cleaning the Pinch Roller
- 6.0 - Cleaning the Capstan
- 7.0 - Cleaning the Posts
- 8.0 - Cleaning the Fixed Posts
- 9.0 - Brush Assembly
- 10.0 - Cleaning the Earthing Assembly
- 11.0 - Final Disassembly and Cleaning
- 12.0 - Emergency Tape Unloading Procedures
- (+ Conclusion)

### **(III.) LESSON 3 APPLICATIONS AND OVERVIEW** (Including basic troubleshooting)

##### **Sections-**

- 1.0 - Introduction
- 2.0 - Stand Alone Single Machine Configuration
- 3.0 - Machine to Machine (cuts only applications)
- 4.0 - A/B Roll Editing Systems
- 5.0 - MII Menu and Setting Instruction

### **(II.) LESSON 2 UPPER DRUM REPLACEMENT AND ELECTRICAL ALIGNMENT**

##### **Sections-**

- 1.0 - Cleaner Roller Removal
- 2.0 - Mounting of Fixing Plate for Tip Protrusion Gauge
- 3.0 - Video Head Tip Protrusion for Measurement
- 4.0 - Removal of Upper Drum Assembly
- 5.0 - Upper Drum Re-assembly
- 6.0 - Eccentricity Gauge Adjustment
- 7.0 - Simplified At "x" Valve Adjustment



**All three presentations in VHS \$100.00 plus shipping (\$13.95 for ground UPS)  
Checks/Mastercard/VISA accepted**

**ALL PROCEEDS BENEFIT USER ASSOCIATION ACTIVITIES.  
IF YOU HAVE ANY QUESTIONS ABOUT THE TAPES PLEASE  
CALL THE USERS ASSOCIATION AT 1(800)966-1030,  
1(703)620-6000, OR FAX YOUR REQUEST AT 1(703)620-0451  
24 HOUR FAX LINE**

**(Virginia residents must add 4.5% sales tax to all orders.)**

# Authorized Panasonic Dealers/Repair Centers

*The following is a current list of authorized Panasonic Dealers Who have sponsored the MII Users Association with contributions of \$250.00 We appreciate their support and urge all users to support*

## Northeastern

Advanced Video Systems  
19 Roots Lane  
Owego, NY 13827  
(607) 687-0545

Alleghney Electronics, Inc.  
800 Chestnut Ave.  
Altoona, PA 16601  
(814) 946-0871

Colortone Camera, Inc.  
76 S. Central Ave., Rte. 9A  
Eimsford, NY 10523  
(914) 592-4151

Communications Televideo  
9301 Georgia Ave.  
Silver Spring, MD 20910  
(301) 585-6311

Crimson Camera Tech Sales  
325 Vassar St.  
Cambridge, MA 02139  
(617) 868-5150

DSI Video Systems, Inc.  
627 Boulevard  
Kenilworth, NJ 07033  
(908) 245-4833

Eastern Video Systems, Inc.  
2 Sterling Rd.  
Billerica, MA 01862  
(508) 667-0009

High Fidelity House, Inc.  
1001 Sussex Blvd.  
Broomall, PA 19008  
(215) 544-4420

Washinton Professional  
Systems, Inc.  
11242 Grandview Ave.  
Wheaton, MD 20002  
(301) 942-6800

Quail Video Productions  
924 Penn Ave.  
Pittsburgh, PA 15221  
(412) 243-1300

R.P.C. Video, Inc.  
384 Route 909  
Verona, PA 15147  
(412) 243-1300

Seneca Communications Inc.  
1321 Dunbar Ave.  
Dunbar, WV 25064  
(304) 766-8740

Specialized  
Communications  
907 Maryland Ave.  
Hagerstown, MD 21740  
(301) 790-0103

Tri-State Video Services,  
Inc.  
1379 Pittsburgh Rd.  
Valencia, PA 16059  
(412) 878-1630

Videoplay Industries, Inc.  
RT30 Tolland Ind. Park  
Tolland, CT 06084  
(203) 872-9195

## Midwest

Alpha Video & Audio, Inc.  
7711 Computer Ave  
Edina, MN 55435  
(612) 896-9898

Avonix Video Ayatems,  
Inc.  
3495 N 124th St.  
Brookfield, WI 53005  
(414) 783-6050

B&J Photo, Inc.  
525 North Main St.  
Findley, OH 45040  
(419) 424-0903

Beatty TeleVisual, Inc.  
1287 Wabash Ave.  
Springfield, IL 62704  
(217) 787-4855

Communications System  
Group  
13355 Capitol Ave.  
Oak Park, MI 48237  
(810) 399-2000

Full Compass Systems, Inc.  
5618 Odana Rd.  
Madison, WI 53719  
(608) 271-1100

Industrial Broadcast  
Services  
5436 W. Mingo, Suite F  
Tulsa, OK 74146  
(918) 663-5126

Industrial Video, Inc.  
1601 N. Ridge Rd.  
Lorain, OH 44055  
(216) 277-1218

Klaus Radio, Inc.  
8400 N. Allen Rd.  
Peoria, IL 61615  
(309) 691-4840

Lines Music Company  
219 S. Jefferson  
Springfield, MO 65806  
(417) 862-5533

Modern Communications, Inc.  
1733 Larkin WMS Rd.  
St. Louis, MO 63126  
(314) 343-0800

Pratt Audio Visual/Video  
Corp.  
200 Third Ave., SW  
Cedar Rapids, IA 52404  
(319) 363-8144

Professional Video Supply  
9300 W. 87th Terrace  
Overland Park, KS 66212  
(910) 642-5528

Swiderski Electronics  
1200 Greenleaf Ave.  
Elk Grove Village, IL 60007  
(708) 364-1900

TV & Video Service (KEY)  
14121 "S" St.  
Omaha, NE 68137  
(402) 895-3100

Thalner Electronics Labs, Inc.  
7235 Jackson Rd.  
Ann Arbor, MI 48103  
(313) 761-4506

Todd Communications  
6545 Cecilia Circle  
Minneapolis, MN 55435  
(612) 941-0556

## West

Accent Audio-Video  
13616 Neutron Rd.  
Dallas, TX 75244  
(214) 458-0501

Audio Visual Supply, Inc.  
4575 Ruffner St.  
San Diego, CA 92111  
(619) 565-1101

E.C.I Video  
2809 Ross Ave.  
Dallas, TX 75201  
(214) 969-6946

Electronic Design &  
Service  
6922 San Fernando Rd.  
Glendale, CA 91201  
(818) 843-6199

Industrial Broadcast  
Servces  
5436 W. Mingo, Suite F  
Tulsa, OK 74146  
(918) 663-5126

IVS  
7925 Auburn Blvd.  
Citrus Heights, CA 95610  
(916) 725-6600

Lubbock Audio Visual Co.,  
Inc.  
2120 Avenue Q  
Lubbock, TX 79411  
(806) 744-2559

Metrovics, Inc.  
3808 Catlina Ct.  
Los Alamitos, CA 90720  
(714) 827-4580

PCI, Inc.  
1595 West Amador, Suite  
H  
Las Cruces, NM 88005  
(505) 523-7788

Professional Video &  
Tape, Inc.  
10240 SW Nimbus, Suite  
L11  
Tigard, OR 97223  
(800) 833-4801

Studio Spectrum, Inc.  
1056 N. Lake St.  
Burbank, CA 91502  
(808) 843-1610

Troxwell Communications  
4030 South 38th St.  
Phoenix, AZ 85040  
(602) 437-7240

Tulsa Electronic Systems,  
Inc.  
4727A So. Memorial  
Tulsa, OK 74145  
1-800-322-9220

TV Specialists, Inc./Video  
180 East 2100 South, Suite 104  
Salt Lake City, UT 84115  
(801) 486-7555

Video Store, Inc.  
2601 McHale Ct. #140  
Austin, TX 78758  
(512) 837-2000

Video Systems Service Center  
23322 Perlata Unit #3  
Laguna Hills, CA 92653  
(714) 855 1082  
(Repair Only)

Video Technical Services, Inc.  
222 Truman NC  
Albuquerque, NM 87108  
(505) 265-4045

Vidicomp Distributors Inc.  
232 W. 38th St.  
Houston, TX 77018  
(713) 694-6400

Waterford Group (The)  
307 Orchard City Dr. Ste. 102  
Campbell, CA 95008  
(408) 374-8550

#### **Southern**

Allied Communications Corp.  
1650 Elm Hill Pike, Suite 1  
Nashville, TN 37210  
(615) 391-5500

Astro Audio Video  
Dawn Corbitt  
7507 Northshore Drive  
Knoxville, TN 37919  
(423) 691 7551

AVEC Electronic Corporation  
2002 Staples Mill Rd.  
Richmond, VA 23230  
(804) 359-6071

Custom Supply, Inc.  
2509 5th Ave. South  
Birmingham, AL 35233  
(205) 252-0141

Delta Electronics  
dba Delta Media Systems  
1406 Terry Rd.  
Jackson, MS 39204  
(601) 969-2929

Electric Image Media Systems  
3409 NW 9th Ave. Ste 1104  
Ft. Lauderdale, FL 33309  
(800) 422-9323  
(305) 537-9323

Florida Video Systems  
14422 NW 7th Ave.  
Miami, FL 33168  
(305) 688-6618

Galjour Electronics Corp.  
dba Crescent  
2744 Marietta St., Suite 2  
Kenner, LA 70062  
(504) 466-4454

Gendra Broadcasting  
Corp.  
2800 Biscayne Blvd.,  
Suite 700  
Miami, FL 33137  
(305) 372-8845

H. B. Centennial  
2500 NW 39th St.  
Miami, FL 33142  
(305) 633-2200

Long Communications  
Group, Inc.  
96 Burke St.  
Winston-Salem, NC  
27101  
(919) 725-2306

Mission Service Supply  
Drawer 2957  
900 Wood St.  
W. Monroe, LA 71294  
(318) 325-8674

Professional  
Communication Systems  
5426 Beaumont Center  
Blvd. #35  
Tampa, FL 33634  
(813) 888-5353

Showcase Inc.  
2323 Cheshire Bridge  
Rd. NE  
Atlanta, GA 30324  
(404) 325-7676

Sports-Tech  
International, Inc.  
6300 N.W. 5th Way, Ste  
150  
Ft. Lauderdale, FL  
33309  
(305) 772-9155

Technical Video  
Systems, Inc.  
215 N. Broad St.  
Winston-Salem, NC  
27101  
(910) 748-0916

Total Audio Visual  
Services  
811 Marietta St.  
Atlanta, GA 30318  
(404) 975-7555

Video Production  
Systems, Inc.  
8875 N.W. 23rd St.  
Miami, FL 33172  
(800) 666-1699

## **MEMBERS OF THE PRESS**

Panasonic Broadcast & Television Systems cordially invites you to a forum of DVCPRO users, to be held in the DVCPRO theater in Panasonic's NAB Booth #10,000, Tuesday, April 16, from 2:00 p.m. - 3:00 p.m. Customers ranging from leading news organizations to trend-setting production facilities will briefly discuss their experiences as early adoptors of the DVCPRO format; ample time will be devoted to questions-and-answers.

We would appreciate your RSVP to Pat Lamb, (518) 692-8150 by Tuesday, April 9; seating in the theater is limited. We look forward to seeing you at NAB.

Come see the exciting projects being produced on DVCPRO!

Regards,

Jim Wickizer  
Manager, Advertising & Public Relations

---

### ***Have you returned your membership registration form and \$25.00 dues?***

If you have not, please do so immediately!!!  
*Make checks payable to the MII Users  
Association of America.* Return form (found on  
page 2 of this newsletter) and payment to:

MIU Users Association of America  
c/o Gardy-McGrath (Int'l), Inc.  
1950 Roland Clarke Place, Suite 100  
Reston, VA 20091  
(703) 620-6000 or 1- 800-966-1030  
Fax: (703) 620-0451 □

**NAB  
APRIL 15-18  
MII BOOTH # 5142  
MII MEETING APRIL 15**

## MII Duplication Facilities

If you are a duplicator and you are an MII User, the Association needs to know about it.

*Currently our list includes:*

**Action Duplication**  
Conshocken, PA 1(800) VHS-DUBS

**Action Video Productions**  
Greenville, SC  
(803) 297-8865

**Alpha Video & Audio, Inc.**  
Edina, MN (612) 896-9898

**American Production Services** Seattle,  
WA (206) 282-1776

**Advanced Audio Video** Denver, CO  
800-368-0406

**American Magnetic Media**  
Denver, CO  
800-USA-TAPE

**AME** N. Hollywood, CA  
800-336-3827

**Avon Productions** South Plainfield,  
NJ  
(908) 756-0643

**Bennu Productions** New York, NY  
(212) 213-8511, Wayne Keeley

**Broadcast Video Products**  
480 Main St Armonk, NY  
(914) 273-6649, Jack Miller

**Cassette Dub Inc.** Northvale, NJ  
(201) 767-7077

**CenterCom, Inc.**  
Milwaukee, WI (414) 353-2001  
Lincolnwood, IL (708) 675-1411  
Tampa, FL (813) 886-8266

**CineMagnetics**  
100 Business Park Dr.  
Armonk, NY 10504-1750  
800-431-1102 / 914-273-7500

**Cinequipt** St Paul, MN  
(612) 646-1780

**Commercial Video**  
101 Winston St.,  
Cumberland, MD 21502  
(301) 724-2799, ask for Greg.

**Commonwealth Films**  
Richmond, VA (804) 649-8611

**Copymaster Video** Villa Park, IL  
(708) 279-1276

**Creative Visual** 10135 J St.,  
Omaha, NE 68127  
800-547-4184, ask for Larry.

**Curtis Inc.** Charlotte, NC  
800-733-2878

**Curtis Inc.** Cincinnati, OH 45202  
800-733-2878

**ECI** Dallas, TX  
800-880-9400

**Elite Video Production**  
Brooklyn, NY (718) 627-0499

**Gardy-McGrath Int'l** Reston, VA  
(703) 620-6000

**Global Vision** Reisterstown, MD  
(301) 356-6715

**Group Video Productions**  
Sacramento, CA  
1-800-748-4982

**HAVE, Inc.** Hudson, NY  
(518) 828-2000

**Industrial Audio Video**  
Houston, TX  
(713) 535-2375

**Industrial Communications**  
Birmingham, AL  
(205) 942-0132

**International Video Center**  
Cleveland Heights, OH 44106  
(216) 321-1440

**Juntunen Video** Minneapolis, MN  
(612) 341-3348, Mike Vinup

**MagneTech** Ft. Lauderdale, FL  
800-683-DUPE

**Majestic Video** Burbank, CA  
(818) 843-1806, Cliff Sawyer

**Master Images Video Duplication,**  
Inc. Wheeling, IL  
(708) 541-4440

**Media Concepts** St. Petersburg, FL  
(813) 321-2122, 800-330-3873

**Multi-Magnetics** Denver, CO  
(303) 825-7768

**Network Video Services**  
Alexandria, VA  
800-289-DUBS (3827)

**Park Avenue Productions**  
Richmond, VA  
(804) 346-3232

**Preston Trucking** Preston, MD  
(410) 673-2930

**Pro Line Video** Austin, TX  
(512) 837-2000 x30

**Quinn Productions**  
Winston-Salem, NC  
(919) 768-2746

**Sign Media, Inc.** Burtonsville, MD  
(301) 421-0268

**Shooby-Dooby Duping** Orange, CA  
(714) 744-4041, Terrence West

**Televent Video Services**  
Oak Park, IL  
(708) 383-5588

**Tri-State Video**, Valencia, PA  
(415) 898-1630, Jim Wachtel, Lori Keffalas

**USF&G Corporation**  
Baltimore, MD  
(410) 578-2916, Steve Kuhn

**Vaughn Communications:**  
Minneapolis, MN 800-323-0281  
Creve Coeur, MO (314) 576-6804  
Phoenix, AZ 800-228-7609  
Milwaukee, WI (414) 276-6511  
Tampa, FL 800-252-7564  
New York, NY (212) 447-1038  
Portland, OR 800-772-2251  
Atlanta, GA 800-966-0859  
Irvine, CA 800-228-7609

**Video Copy Services**, Atlanta, GA (800)  
553-3616

**Video Duplication** Atlanta, GA 800-235-  
9732

**Video Duplication Services** Columbus, OH  
800-289-4301  
Dayton, OH (513) 294-5883  
Cleveland, OH (216) 741-3827  
Youngstown, OH (216) 792-3827  
Detroit (Troy), MI (810)680-9100

**Video Management Systems**  
Indianapolis, IN  
(317) 639-6163

**Video on Location**  
Rockville, MD  
(301) 984-5823

**Videoland** Lacey, WA  
(206) 491-1332

**Video Now** 610 S. Central Ave.  
Kent, WA  
(206) 852-1186

**VideoPlay Industries** Rockville, CT (203)  
875-5211

**Video Proofs** Rohnert Park, CA  
(707) 586-0383

**Video Replay** Chicago, IL  
(312) 467-0425

**Video Techniques, Inc.**, Bradenton, FL  
(813) 746-4949

**Video Transfer** Rockville, MD (301) 881-  
0270

**Vidicomp Distributors** Houston, TX  
(713) 694-6400

**VIP Duplication** 2908 Cameron St., Suite-B,  
Monroe, LA 71201  
(318) 322-8222, Phillip Nelson

**VU Video** Denver, CO  
800-637-4336, Eric Wheeler  
**Wilderness Productions**  
S. Lake Tahoe, CA  
800-874-7488, in CA (916) 577-3008

**WGVU/WGVK-TV**  
Grand Rapids, MI  
(616) 771-6666, TDD 800-748-0488

**WPSD-TV** Paducah, KY  
(502) 442-8214, Bob Fesmire

**Your Video Productions**  
Costa Mesa, CA  
(714) 645-9687

*Canadian Duplicators:*

**Agincourt Productions**  
Richmond Hill, Ontario  
(416) 886-8273

**Inter-cite Video** Montreal, Quebec  
(514) 342-4545

**Lynx Video Production** Toronto, ON  
(416) 516-0270, Jim Blake

**Marine Video** 1955 Wylie St.  
Vancouver, B.C. V5Y 3N7

*If your company isn't listed here, please call  
1-800-966-1030. □*





# Your Source for MII Video Tape Duplication

## Specializing in the Following Formats

### NTSC

MII	VHS
1"	S-VHS
Betacam SP	Hi 8
3/4" SP	

### PAL, SECAM

**NEW!** Betacam SP PAL (On-Site)

VHS  
Hi 8  
3/4"

- Excellent Quality
- Loop Tapes
- Each Copy Individually Checked
- Fast Service —  
Rush Is Never a Problem

- Competitive Pricing
- Multiple Formats
- Standards Conversion

*Call Travis Franklin, Duplication Operations Manager  
Direct: 713/535-2375*

# Industrial Audio/Video, Inc.

2617 Bissonnet, Houston, Texas 77005

Main: 713-524-1956 • 1-800-392-4384, ext. 375

Direct: 713-535-2375 • Fax: 713-524-2823

Hours: Monday – Friday: 8–5 CST



# MII Trading Post

*Please contact us when the equipment is sold!!!*

## Equipment Wanted

**JVC 3/4" Editing System.** Mr. Park at (703) 359-0810.

**Wanted: AU-TB50, AU-66 Studio Deck.** Cash. Call Kevin at (310) 281-7599.

**Wanted: Used MII Tapes.** Any length. Contact Jamie Dotson. (800)842-4273. 1/95

**Wanted: Panasonic AU-550 Field MII editing VCRs.** Any condition.

**Spare Parts Inventory for AU-550, especially printed circuit boards.** Contact Jonathan Meyers at (612) 642 4637. 12/94

**Wanted: PC video card that will render \*.TGA files at NTSC 720 x 486 resolution or greater.** Needs Component or RGB outputs. Call Gary Dansie, Options Inc. (801) 467-7421 11/94.

**Wanted: Amiga 2000/2500.** Need CPU, will consider some extras-cheap. Also want rear-screen fabric or panel, 4'x6' or larger; Panasonic interfaces for IVES II. Contact Steve Braker at (608) 251-8855.

**Wanted: MII player and Sony 5850 recorder.** Call Peter at (818) 888-8673.

**Wanted: Alamar 1055 and SC 2000's,** used or new, Call John Bishop (704) 398-0046.

**Wanted: Amiga Computers & related hardware,** as well as used working prosumet video equipment. Copperhead Technologies, (518) 346-3894.

## Equipment for Sale

3 Tripods for sale: CSI System 15 tripods/heads with spider & handle. 2 yrs old, great condition-like new \$2200 for the 3 Call Angela Liberti @ (804) 743 1171 ext 238

Sony BVW-10 Betacam \$3950/Sony BVU-800 3/4 Editor w/TC@) board \$2900/Sony DXC M2 Camera 9.5 x 143 Lens, 3 Tubes\$900/Grass Valley CV-20 Component to Comp.\$2450/Grass Valley 100 Switcher w/Pluse regen\$5,600/Chyron ACG Character Gen 12 fonts 72 sizes\$2150/Echolab SE# Switcher 10 inputs & 3 Keys\$1850/CEL P164-P158 DVE TBC & Frame Store\$2450/Panasonic WJ5500A Switcher 8 inputs\$950/Panasonic AU520 MII Portable Deck\$5000/Panasonic AUB420 Battery Charger\$350/Panasonic AUBP402 Batteries\$125ea/Cubeacomp Animation\$900/Yamaha 1602 Audio Board 16 Inputs\$775/Infinity Speakers(2)5" Tweeters & 15" Bass\$50ea/3ea. 1F-500 Generic Design Read time code on 3/4 audio channel\$350 (714)526 3388

AU 63/65 H Low Hours \$15000.00 F500/AU45 New Camera \$9000.00 301-340-9566

TENTEL test equip: tape tension gauge (T2/H5/SLCB) Head Protrusion Eccentricity Gauge(HPG-1/S2)Multi-Fuction Reference Plane (TSH-MII) Dial Torque Gauge(TZ-600) Brand new from Tentel-\$2000 for the package. We're

asking \$1200. OBO. Plus we'll throw in Tentel's VHS Tape on VCR Mechanical Problem Diagnosis(\$25.00 value) All four gauges are a year old, but have rarely been used. Call Clark(714) 645-9687(M-F,9am-5pm, Pacific Time).

**Panasonic MII AU 650s, AU 500s, AU 400s,** cameras, tripods, lights, waveforms, vectorscopes, etc. Call Lenny at (803) 762-0719 for a detailed listing.

**Grass Valley 110 switcher...\$6500 FOR-A MF-3000 DVE \$3000, Call Tom @ Teleproductions(419) 621 0602**

**AudioProduction:** Roland/Boss BX-8, 8 Ch. Stereo Mixer used for 25 hours on one short project, like new in box, steal at \$199.

**Cameras:** Panasonic AG-455U SVHS HiFi 12x zoom camcorder with Panasonic autofocus fix, excellent shape-only 80 hrs. Metal Battery adaptor holder for BP88's, includes six good 2.3 amp hr. batteries, 2 Ambico 200/100 watt ac/dc lites with bulbs/ three aluminum stands, 2 excellent Bescor 20 amp. Batt. belts 92 hrs. with 100 watt lite), Bogen shoulder mount/monopod steady system, 2 Plano fishing cases full of connectors, cleaners, wires, goodies for EFP. Steal at \$1499.00

**Computers:** Amiga 2000 Video Toaster 3.1, 9 meg ram, GVP 68030 28mhz accelerator, Fujitsu 1 gig HD, Rodime 200meg HD, 2091 HD controller, 1084S monitor, mouse/keyboard, cables and almost any software titles you might want (used in box with manuals). Steal at \$1499. **Editing Equipment:** JVC-BRS611U SVHS HiFi edit feeder (425 hrs). Steal at \$1,499. JVC-KRM800 MII (Betacam quality) (270 hours on new drum/heads). Steal at \$2,499. JVC-RM-88U controller with two 45 pin 15 foot cables. Steal at \$249. **OR steal entire system at \$3,999. Lighting:** Lowell VIP lite-ac/dc lite with 100 and 250 watt bulbs, rotatable barn doors, screams, car cord dc adaptor, L-lind VIP-36, Vipod VIP-35 and case. Steal at \$99. Lowell 1000 watt Tota lite with scrim and two extra bulbs. Steal at \$99. **Monitors:** JVC TM1400SU 14" monitors with blue screen, undercan, crosspulse, y/c composite. Steal at \$399. each or all 3 for \$999.

**JVC BR-S 525U with DNR and time code,** excellent condition. MII or Beta out of TBC. First rate slow motion, perfct for interformat editing. \$5,250. Call Mike at (970) 484-5535.

**Panasonic F500 AU 45 MII Camera & Deck,** brand new, including lens 12x Fujinon lens, hard case, adpt. plate, Anton Bauer battery mount and 2 Digital Pro Pac 14s (almost new) \$10,000. 1 - AU63H, 1 - AUG65H MII Decks - demo's excellent condition, low hours, auto tracking \$16,000. Call Bob Legum, (301) 340-9566.

**AU-410 Dockable MII Recorder.** 300 hours, excellent condition, \$2,500 or best offer. **AU45H Dockable MII Recorder,** 15 hours

excl. cond. \$3,000 or best offer. **AU 55H 90 min Portable MII Recorder Player,** time code, TBC, \$6,000 firm. Contact Eric Ortlieb (714) 362-9737.

**AU 520S,** low hours, excellent condition, all mods, just gone through by Specialized Communication. \$4,950 firm. Also have Sony VO-8000, and VO- 9800 for sale. Call Peter at (413) 528-5771.

**JVC KR-M820U Editing Recorder** with built-in AB roll controller. Unit is clean and inexceptionally good condition. Low hours on new heads. Will include extender board and component input cable. \$3000. or best offer. Contact Louis Asbury at Southern Video Corp. (704 333-5454.

**IVT-7 TBC,** Like new condition, rack mounts, manual, Y/C and composite INs and OUTs, freeze frame and freeze field, black burst, fullproc amp, 1 rack unit, \$995. **Panasonic AG-A800 Edit Controller.** RS422 serial control, A/B roll plus control GVG 100 and other switchers. CPU and operation control panel. \$2950 or best offer. Call Burt at (941) 921-5992.

**Portable MII Panasonic AU-520,** like new, low hours, portable case, with AC power supply, no batteries. \$6,200. Contact Alec or Bob (316) 687-6136.

Distress Sale. Must Sell. **MIl Camcorder System-** NEC 3 chip camera (similar to Sony BVP30) docked to AU-410, under 400 hours use, 2 lenses: Canon Pegasus 15xCCD lens and Fujinon wide angle zoom lens. 5 Anton Bauer Bricks (3 new) Anton Bauer Life-Saver Charger, Tiffin filters, wedge plate, new MII tapes, Port-A-Brace carry case, all manuals. Great system, \$6,000. **Alta Pixis Effects \$250. Convergence ECS-204** with type 5 interfaces, manuals, exc. cond. \$400. Call Bruce at (804) 239-3752.

**Editing Equipment** JVC CR8250 3/4" Editor \$1600, JVC CR6650 3/4" Recorder \$950, JVC CR8200 3/4" Editor \$1200, JVC CR5500 3/4" Player \$800, JVC BRS810 SVHS Editor \$2100, JVC BRS610 SVHS Recorder \$1100, Paltex Abner A/B Controller w Cables \$1375, Videomedia Mickey A/B V-Lan Controller \$975, **VCRs:** Sony VO4800 3/4" Portable/Portabrace Case \$850, JVC CR4400 3/4" Portable \$475, Panasonic AG6400 VHS w Portabrace Case \$475 **Video Cameras:** Olympus VX S405 SVHS Camcorder (same as Panasonic AG400/PV350), new heads \$675 **Switchers:** JVC KM 1200 Switcher \$850, Showtime 4 input switcher \$499, Xidicraft \$225 **Signal Processing** Fortrel 2H2 TBC w Enhancement \$275 **Computers** Amiga 1000 w 2.5 Megs \$350, Apple 11 Clone \$200 **Misc Equip.** Polaroid MP3 4/5 Copy Camera \$450, Slide Duplicators \$250, PMT Stat Processor \$175, Stabilization Processor \$175, Omega DII 4.5 Enlarger w Lenses \$450, Durst 35mm Color Enlarger w Nikon Lens \$450, Production Slide Mounter \$225, Film Drying Cabinet \$150. The Creators (914) 769-0676

**Panasonic MII Demo Equip, MII Camera System** includes: WV700MH Camera Head, AU410 Dockable Recorder (50 hrs on head),

AGB745 Battery Charger, AUBP220V Batter Pack, WVDKT700M Docking Kit, WVCB700 Camera Remote Control, WV750 ENG Kit for F700 \$14,600. AU63 MII Studio Player, 220 hours power, 50 hours drum \$9500. AU65 MII Studio Recorder, 310 hrs power, 80hrs drum, \$9,000. AG7650 S-VHS VCR, new \$3420. AGA770 Edit Controller, new \$1925. BTD1910Y 19" Color Monitor \$1400. BTH1360Y 13" Color Monitor \$800. Anton Bauer Demo Equipment: MP4-D Battery Charger \$1576, DM-4 Discharge Module \$303, QRPAN-AQ Battery Mount Plate \$93 Toshiba Demo Equipment: TSC100 Hi-8 Camera \$6500, BBC10 Battery Charger \$345, BNP10 Battery \$50. All Offers Considered. All equipment has new equipment warranty. Call Paul Cantrell (505) 523-7788.

We've gone non-linear and have many items for sale: VLAN/AmiLink Pro A/B-roll VT 4000 edit controller w/software. External "black-box" configuration w/1 transmitter and 3 receivers. Hardware will work on "any" computer system serial port and appropriate software (Oz, Genie, Post, etc.). Included AmiLink Pro Software works with the Amiga Video Toaster 4000. Nodes configured for Panasonic MII equipment, easily configured for other serial VTR's. Zero frame accurate, automatically controls the Toaster, supports Dynamic (Auto) Tracking VTR's. Superb EDL management. All manuals, power supplies, and cables included and shipped in original packaging. Asking \$1,600, no reasonable offer refused. Contact Ann Jones at VenaVision Productions (817) 322-9205, or via e-mail on CompuServe (User ID is 75136,3703). Internet e-mail address is 75136.3703@compuserve.com

**Portable MII Panasonic AU-520.** Bought B-stock for \$8,200 -- selling for \$5,000 or best offer.. Fully tested, and in MINT CONDITION!! Pro-portabrace case, two batteries plus AC/DC converter-recharger additional \$600. Must sell as unit. Total \$5,500 + shipping, or best offer. Call Tom Miller at (406) 222-6733.

**Panasonic F250BH/7450A SVHS Dockable Camera Package** including 12x lens, time code generator, a/c supplies and batteries, tripod, cables, carrying case. Less than 250 hours use and in excellent condition. Complete package for \$6990 plus shipping. Call Michael Forrester at (407) 981-4998 and leave message and/or fax number for equipment list and details.

**Panasonic AU-65H MII editing video recorder.** Excellent condition, low hours, 4 channels of audio and broadcast Transcorder/TBC incl. Asking \$7250. Dunbar Video Productions. (810) 634-8686.

**Portable MII Panasonic AU-520, DC power supply and battery charger.** Like new. Never used outside of my edit suite. All for \$5,700. Sony BVP-30 camera with Canon 15x lens, case and Sachen Munchen tripod. All for \$3,500. Contact Brian Barkley at (913) 681-1080.

**Panasonic Au-65 MII Editor/Recorder** with Timecode Gen/Reader Service manual and test extender card. P=2840 Hrs D=1050 Hrs. \$4,500. **Panasonic AG-7650 S-VHS Player with Time Code Reader.** C=150 hrs. D=474 Hrs., \$2,000. 4 Panasonic AG-6200 VHS Recorders. All in good condition. \$300 each. **Pinnacle 2110 with Monitor, Keyboard,**

**Controller, Prism SCSI Interface, Software and Manuals, \$2,000. Videomedia OZ - Windows Pro A/B Roll Editor Controller. Supports 2 Source, 1 Recorder and 1 Switcher.** Includes: 1 Pro-I Jog/Shuttle Controller, 1 PC-3R Card, 1 PC-R Card, and Software Manuals. \$2,650. Sony LDP-2000 Laser Disk Player, \$500. Fargo Dye-Sub Printer with Assorted Paper and Color Ribbons, \$350. Any reasonable offer will be entertained. Richard Pelzar (860) 653-9160.

**Portable MII Panasonic AU-520** like new, approx. 25 hours, includes Portabrace bag and service manuals, batteries not included \$4,000. (originally \$9,700). Contact Tom Kelly (714) 754-1273.

**1990 Sierra Video Systems CIK-1 Component (Y, R-Y, B-Y) Mixer Keyer** with fade to Black or Color, GPI trigger, variable speed transition, super clean. \$2000. Please call (800) 315-7452 for more details. Terry Grant. Grant Booker Video Company Inc.

**AU-400 MII Field Recorder, \$2500.** AU-660 MII Studio Recorder Slow Motion, Full Editing, Advanced 9 Bit Tbc, \$8000. All equipment carries a full 90 day warranty. Call (301) 790-0103.

**JVC 800 Editing Recorder with Abner 45 Pin Cable - New Heads, only 75 hours, \$2500.00.** Bob Benson (508) 432-1200.

**Sony DME-450 Video Effects Generator and Switcher** Built in frame synchronizer, requires no TBC. A/X roll feature included. Uses Sony RM-450 Edit Controller to trigger effects. Owner/Service manual included. \$1750. **Sony RM-450 Edit Controller, RS-422 and/or Sony 33 pin parallel control.** Includes manual. Will sell as package for only \$2500. Call Chuck at (970) 224-3612 days.

**Ampex ADO-100 DVE 3D Option & Upgrade Software, \$11,000. Barco Graphics Data Projector, scans to 70Khz, \$1900. Adda VW-2 TBC/SYNCH w/genlock, infinite window, & freeze, \$450. RGB Encoder (RGB/s to NTSC), \$150. Keldon Copy Stand, \$195. Owner retiring! Contact Bob Pooler @ (617) 862-2477.**

**Panasonic AU55H MII field recorder/editor.** Practically brand new, less than 75 hours of use. Never left the studio, barely used. Spotless original box with AUB 110 power supply. Works flawlessly, beautiful picture and sound. \$7,500 make offer, quick cash carries weight. Contact Geltner at Stuart Geltner Media 100 Editing Services, (505) 820-0696.

**Amiga A2000 Computer, Kickstart 1.3, 1 low density floppy disk drive, 1 meg chip ram, keyboard & mouse. Upgrades available. \$400.00. Amiga A500 Computer.** New in factory sealed case, Rev. 6.0 motherboard, 8372A 1 Mes Angus, Kickstart 1.3, mouse keyboard, power supply docs/disks. Call Bill Tucker at (518) 346-3894.

**JVC, BR-S777V, S-VHS, VHS, Three-In-One Duplicator with RM-7030 Remote Control and Rack Mount Hardware.** Very Low Hours. Mint Condition. \$2,995 including shipping. Call Doris (516) 285-7146.

**AU-660SE /50 original hours \$6,995. AU-550 field editor with DT 300 Hrs. \$4195. AU-62 edit source player \$2,995. AU-500 portable \$3,395. JVC KR-M800U 300 hours**

**& rack kit, \$2,595. SA-F911U 422 serial & VITC/LTC TC adapter for KR-M800U or BR-S611 or 811U \$499. SA-T3100 (same as AU-TB50) CTCM component TBC for AU-500, AU-520, AU-550 or JVC KR-M460U, KR-M800U, or KR-M820U \$1,595. AG-6500 HiFi VHS editor \$1,495. IFP-422 serial adaptor w/LTC \$395. Chyron DSC Illusion 3D DVE loaded \$2,395. Call WIEGAND AUDIO VIDEO LABS., 800-203-3260, 614-967-0003, FAX 614-967-4453**

**Grass Valley Mod 1600-IX Switcher. \$2700.** Very good condition. Comes with very long snake for remote mounting. Brian at (716) 654-6710.

**AU-62H Player, AU-63 Player w/Dynamic Tracking QU-65 Recorder/Player, AU-55H Portable Recorder, JVC KV-27 Camera (Includes: Fujimon 16:1 Lens, MII Back, Studio Kit, JVC RMP-2000 Remote Control, Cables, 8 Batteries, Charger/AC Adapter Bogen Tripod and Plate).** All equipment in excellent condition and priced to sell. Please call Digital Arts (210) 692-1776.

**Panasonic AU-410s recorder docked to Panasonic 300CLE camera, without lens, excellent condition \$6400.** Call Don at (613) 821-7783.

**JVC KRM 800 Editing VCR.** Excellent, 400 Hour Use. New upper head with zero hours. Used as backup. No longer needed. \$3500. Bob Benson Video Film (508) 432-1200. (508) 430-1184. 3/95

**Studio Equipment, Almost New: Alesis ADAT Digital 8 track recorder, \$2,350, NC Cooper Data Sync \$100. Panasonic AU-w-35H MII component recorder, \$7,000. Panasonic DS-850 SVHS edit deck w slow mo \$5,000. Panasonic AG DP-800 SVHS camcorder w/ Anton Bauer battery pack & charger, 14x lens, Tiffen filters, Series 9 adapter, lens hood, \$6,500. Panasonic F-700 camera package w Cannon 17x lens, viewfinder, tri-pod plate, hardshell case, MII docking adapter \$6,500. Buy all and save or piece equipment. Everything low hours & less than 1 year old. Contact Jay, (510) 472 9443 or (213) 963 8966.**

## Facilities/Suites

**MII A/B/C Roll Full Component Suite W/MATROX:** Panasonic AU-65 MII edit/recorder w/TC, AU-63 & AU-62 edit source w/TC, Matrox Studio Post Production System w/ Titania 3-D DVE, ALR EISA 486-33, 17" svga monitor, Sony LVR-5000A CRV laser disk signal processor & recorder/player, Sony VP-9000 SP 3/4" player, Sony VO 7600 VCR, Panasonic AG-7750 S-VHS edit/recorder w/TBC, Panasonic AG-WI standards converter, 2 Sony PVM-1342Q monitor, Nigel B Senior workstation; **INCLUDING SOUND SUITE:** Soundcraft Delta Ave Audio Mixer w/1 master RS-5059, 4 D221 RS 1443, 4 D203 RS1443, master RS 5061, Stantron turret desk, Tascam MSR-16S w/Dolby, Tascam RC-416 remote, Adam Smith Zeta 3 A/V Midi; **ALSO INCLUDING MII FULL COMPONENT CAMERA EQUIPMENT:** Panasonic WV-F700MH digital 3 chip camera w/Canon J15x9.5 BRSII Zoom, Panasonic DKT700M MII docking kit, Panasonic AU-410 docking MII recorder, Sony PVM-8044Q component 8" monitor w/batteries, O'Conner Series 55 tripod system, Lowell lighting systems, INMACS UPS 1200 and Fortress 2KVA UPS, and more.

Asking \$70,000, or take over leases at approx. \$4500/mo. for 14/18 mos. Buyer pays shipping. Please call Richard or Michael at (310) 696-1046

**MII A/B ROLL FULL COMPONENT EDIT SUITE**, includes: (1) Panasonic AU-60 MII edit/recorders w/ TC, (1) JVC KR-M820U MII edit/recorder, (1) JVC CR-M850U 3/4 edit/recorder, Paltex Europa Edit Controller 7 status monitor, JVC KM 3000 Seg/switcher, Microtime Genesis Act1 DVE, (1) JVC KM-F250 TBC, Laird 1500 Character Generator, Lenco RGB-Composite Encoder, Panasonic BT M1310Y monitor, Sigma CSG-460 Sync Generator, Sigma SVC-213 Routing Switching, Winstead 5 bay rack mounts. Full Documentation included. \$39,000. *May consider pricing out.* All well maintained. Buyer pays all shipping. Contact Jodi Heurung, (612) 935-0033.

**A/B ROLL EDIT Suite**, includes (2) Panasonic AU-65's Edit Recorders, (1) AU-63 slo-mo player, (1) Panasonic AG-7750 SVHS Edit recorder, Alta Pegesw switcher, For-A 3000 3D DVE, Inscribe CG package w/ 486DX2-66 PC, Editing Technologies "CMX style" editor w/ serial control, Tascam 688 midi studio 8-track cassette, audio router and mixer, System wired Y/C, all cables furn., system is working and producing programs daily. Asking \$39,000. **Panasonic 300 CLE** camera w/ full studio kit, \$3,500. **Panasonic AU-400 MII** dockable recorder w/ VT-10 docking adapter for 300CLE camera, \$3000. ITE-40 tripod, \$300. Call Vin Sisson at (216) 527-2182

### **Tapes**

**3M New MII Videotapes**- Length 10 min./Price \$22.25/Quantity 25; 20 min./\$25.75/30; 30 min., \$29.69/34; 60 min./\$44.49/25 90 min. \$66.79/11. All sales final. All sales final, equipment purchased "as is". No warranty available or implied. Since we are a state run facility, all items must go out to bid before sale. Contact Jim Gaar at (816) 235-1096.

**Used MII Tape**, limited number of MII tapes, Large cassettes, 30's, 60's

90's and small 20's, Most with low passes, most with factory cases. Good for many purposes. Buyer pays the shipping charges. Contact Ed McKay or John Bishop at (704) 398-0046, or fax (704) 393-8407 (NC).

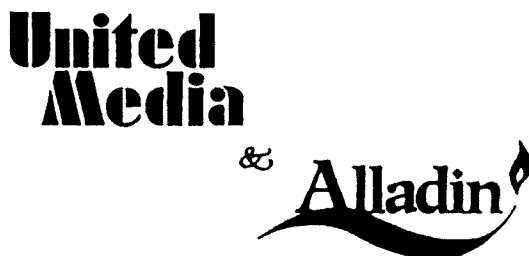
**If you have equipment you would like included in the next Trading Post, please contact us in writing, either by fax or mail at MII Users Association of America, c/o GMG International Inc., 1950 Roland Clarke Place, Suite 100, Reston, VA 22091, fax (703) 620-0451, toll free 800-966-1030.**

# **NAB APRIL 15-18 LAS VEGAS MII USERS BOOTH #5142**

## **MII Users: If you don't already have one, you are definitely going to want one...**

### **United Media's MVS *duo* Editor**

United Media provides a complete desktop solution for your MII production/post-production needs



#### **MVS *duo* Editor**

Specifically designed to give you total control of the Alladin. This powerful and affordable A/B Roll editor offers full control of the Alladin for ease of operation and seamless integration, price includes total interface

**\$ 3,495.**

#### **UNITED MEDIA OFFERS THE MOST SOPHISTICATED CONTROL OF THE ALLADIN DIRECTLY FROM THE MVS *duo*'s SOFTWARE**

- Both the MVS *duo* Editor and the Alladin reside in the same computer
- Seamless interface provides full control of the Alladin's effects, graphics, timeline, picons (picture icons) from the MVS *duo* screen
- All four Alladin layers (layer A, layer B, Program and Preview) available from the MVS *duo* screen for ease of selection
- Alladin Graphic picons and Effect picons displayed on the MVS *duo* screen for ease of access and recall
- All Alladin information stored in the MVS *duo* EDL for recall
- Simultaneous control of 3-7 VTRs, Alladin and Audio from a single plug-in PC board
- Control of other Video Switchers (GVG 100 / ESAM protocol), Audio mixers and digital devices

For more information on United Media's MVS *duo* Editor or our other Desktop Editing Products contact your local dealer or call us at (714) 777-4510.

**UNITED MEDIA 4771 E. Hunter, Anaheim, CA 92807 USA (714) 777-4510 Fax (714) 777-2434**

**NAB  
MII USERS  
MEETING  
RIVIERA  
HOTEL  
APRIL 15  
2:00-4:00  
RECEPTION  
4:00-6:00**

**MII Job Shop**

**Electronics Technician**, Experienced and entry level positions available. AA in Electronics required. Work on Broadcast MII video tape machines and camera. Some transmitter work. Drug screen required. WHAG-TV is a small market NBC affiliate. We offer a comprehensive benefit package, including 401K and section 125 plans. Send resume and salary requirements to personnel, WHAG-TV, Dept. M, 13 East Washington Street, Hagerstown, MD 21740. No phone calls. EOE.

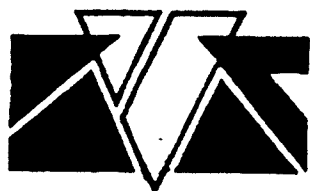
**On-Line Editors** Fast-growing, full service, Reston, VA. firm seeks qualified individuals. Please send resume, tape and salary requirements to Gardy McGrath Int'l, Inc.; 1950 Roland Clarke Place, Suite 200; Reston, VA 22091. EOE

Send resumes and sample tapes to the Association. Please state which position you are interested in.

*All responses will be kept in strictest confidence.*

**NOTICE NEW TRADING POST POLICY**

Trading Post classified ads will remain free to MII User Association members. However due to rising printing costs, we can no longer run these ads indefinitely. Beginning THIS month, ads will be deleted after three months unless we receive a request for continuation. To continue your ad, simply mail or fax a copy of the Trading Post page with your ad circled. Write "reprint" in the page margin.



**RUSSELL VIDEO  
SERVICES, INC.**

**COMPLETE VIDEOTAPE DUPLICATION SERVICES**

**MII DUBBING TO OR FROM: 1", BETACAM SP<sup>®</sup>, ¾" SP,  
SVHS, HI-8, VHS**

**INTERNATIONAL STANDARDS CONVERSIONS (PAL, SECAM)**

- ☒ COMPETITIVE PRICES
- ☒ 100% PRODUCT INSPECTION
- ☒ OVER 40 YEARS EXPERIENCE
- ☒ FULL TIME BASE CORRECTION OF ALL MASTERS
- ☒ FAST TURN-AROUND AT NO ADDED COST

***"Dedicated to Quality and Service"***

**1-800-388-4377**

**2805 S. Industrial Hwy.  
Ann Arbor, MI**

## No. We're not kidding!

On-demand, custom-created 3-D animation from America's fastest growing facility on D-3, MII, and Betacam SP... delivered any where in the world!

**1 (800) 966-6689**

Ask for Mike Loftus for the latest Demo-reel and free estimates.

GARDY McGRATH'S award-winning graphic artists are waiting to work their magic for your animation needs. From Fortune 500 corporations to virtual reality programming, our rates are so competitive that our cost per finished minute is often less than what some charge per finished second.

Custom-designed, on-demand animation...another in a full spectrum of services from America's One - Stop Video Shop...GARDY McGRATH INTERNATIONAL.

*Featuring Lightwave 3-D Software  
with the Raptor RISC renderer!*

**We're not afraid to make a scene.**

## Turn Betacam production clients into MII Users!

*Betacam/MII or MII/Betacam Transfer!*

Now available to MII User Association Members at reduced rates!  
48 hour turnaround for quantities of up to four tapes (via Federal Express)  
for both "S" and "L" size Betacam cassettes.

Services supplied by **GMG International** at the following rates  
(which include the cost of tape):

up to 20 minutes	\$37.00/dub
up to 30 minutes	\$55.00/dub
up to 60 minutes	\$105.00/dub
up to 90 minutes	\$155.00/dub

(Shipping not included)

Call 1-800-966-6689 or (703) 620-6000 and ask for **Cam Strickland**.

# **SPECIALIZED COMMUNICATIONS**

**"PROS" SERVING "THE PROS"**

**Since 1985**

**Television Networks**

**Corporate Television**

**Cable Television Companies**

**Video Production Houses**

**TV Broadcast Stations**

**Professional Video Users**

## **SERVICE IS OUR BUSINESS**

**Impeccable Maintenance**

**Reliable Technical Support**

**Replacement Units**

**Custom MII Enhancements**

**Flexible Service Contracts**

**D3, MII Parts Fabrication**

**Factory Trained Techs.**

**Competitive Prices**

## **AUTHORIZED INDEPENDENT MII SERVICE CENTER WARRANTY REPAIRS**

**Specializing In :**

**Original and New MII**

**BetaCam SP**

**Umatic, S-VHS, VHS**



**Authorized For:**

**Panasonic Professional**

**Sony Professional**

**JVC Professional**

**Now Factory Trained For D3 Service**

**CALL 1-800-359-1858**

# A BREAKTHROUGH IN REAL TIME IMAGE ENHANCEMENT

Use military technology to perfect your MII video quality.  
Increases clarity, sharpness and offsets processing degradation  
with the press of a button.

- BROADCASTING
- SPORTS
- COMPRESSION



VIDEO  
EQUALIZER

- FEATURE FILMS
- NEWS
- REALITY PROGRAMMING

**Plug in and play. Requires no additional hardware.**

Model No.	I/O	Price
QVE 1000	YUV, YC	<del>\$17,050</del> <b>\$14,950</b>
QVE 1500	YUV, YC, Composite	\$20,950
QVE 10000	D1, D5, YUV, YC	\$25,950
QVE 15000	D1, D5, YUV, YC, D2, D3, Composite	\$30,950

## SPECIAL INTRODUCTORY OFFER TO MII USERS: \$14.950

<b>PROCESS TIME</b>	Real time: 70ns delay	<b>CONTROLS</b>	Detail: Controls kernel size Contrast: Controls high frequency gain Background: Controls low frequency gain
<b>ALGORITHM</b>	Two-dimensional convolution		
<b>KERNEL SIZE DIAMETER</b>	Up to 10% of image size	<b>PRESETS</b>	Bypass, split screen, user selectable preset values
<b>BANDWIDTH</b>	12MHz @ 3dB, 30MHz also available	<b>REMOTE</b>	Available via 9-pin DIN
<b>SIGNAL TO NOISE RATIO</b>	Better than 55dB	<b>POWER</b>	120/240 vac, 60/50 HZ, 55w maximum
<b>INPUT/OUTPUT</b>	Analog color difference (Y, R-Y, B-Y), S-VHS (Y-C) Analog composite Digital color difference (D1, D5) Digital composite (D2, D3)	<b>DIMENSIONS</b>	19" x 13" x 3.5" (48.25cm x 33cm x 8.25cm)
		<b>WEIGHT</b>	8 lbs. (3.5 kg)

FOR INFORMATION CALL:  
**TEL: 310-696-1046    FAX: 310-693-9135**  
Ask for Chris Mengel or Tricia van Klaveren  
**ORDER NOW!**



13006 Philadelphia Street, Sixth Floor, Whittier, CA, 90601

→ Advertise in the MII Newsletter ←

**Full Page.....\$150**

**Half Page.....\$100**

*Submit your  
advertisement to the  
Association camera ready  
or send us the information  
and we'll lay it out for you  
at no additional charge!*

**Quarter Page.....\$75**

**Quarter Page.....\$75**

**Quarter Page.....\$75**

**1/8 Page.....\$50**

*A fraction of the cost of trade journal advertising  
with a target market reach*

*\*Special Discounts available for higher frequency\**

All proceeds to benefit User Association activities  
Mastercard \* VISA \* Check accepted

Call MII Users Association Headquarters for details  
and discount prices at **1-800-966-1030**  
or fax your request to **(703) 620-0451**



# FIGHT THE HIGH COST OF VIDEO TAPE STOCK

**"THE MOST COST  
EFFECTIVE ALTERNATIVE  
TO NEW TAPE"**



**"OUR EVALUATED STOCK  
CHECKS  
OUT AS GOOD AS NEW"**

Express Video Supply (EVS) is a company specializing in premium quality recycled video tape. Our goal is to provide you with a product which is guaranteed to look and perform identical to new tape.

In achieving our goal, each tape must complete the EVS process. This process consists of strict RTI certified evaluation, Garner degaussing, and complete cleaning of each tape and case. Finally, QC personnel thoroughly inspect each tape before packaging.

Tape Successfully completing this process can then be called an EVS product. We are so sure of your complete satisfaction that we offer 100% return/replacement guarantee. Please call for free samples and start saving money today!

♦ **FREE SAMPLES**

♦ **100% GUARANTEED**

♦ **SAME DAY SHIPPING**

♦ **ALL BRANDS AVAILABLE**

3/4 INCH		BETACAM-SP		1 INCH		M II	
5 MIN.	\$ 3.50	5 MIN.	\$ 4.75	30 MIN.	\$15.00	10 MIN.	\$ 5.00
10 MIN.	\$ 3.75	10 MIN.	\$ 7.00	60 MIN.	\$25.00	20 MIN.	\$ 7.00
15 MIN.	\$ 4.00	20 MIN.	\$ 9.25	90 MIN.	\$37.00	30 MIN.	\$10.00
20 MIN.	\$ 4.25	30 MIN.	\$12.00	105 MIN.	\$50.00	60 MIN.	\$15.50
30 MIN.	\$ 5.25	60 MIN.	\$16.50	120 MIN.	\$60.00	90 MIN.	\$22.00
60 MIN.	\$ 7.25	90 MIN.	\$23.00				
75 MIN.	\$12.00						
3/4 INCH-SP		BETACAM-OXIDE		D-2		NEW 1/2 " VHS	
10 MIN.	\$5.75	5 MIN.	\$ 2.75	5 MIN.	\$ 8.00	T-5	\$1.25
20 MIN.	\$6.50	10 MIN.	\$ 3.00	10 MIN.	\$15.00	T-10	\$1.35
30 MIN.	\$7.25	20 MIN.	\$ 3.75	20 MIN.	\$21.00	T-15	\$1.45
60 MIN.	\$9.25	30 MIN.	\$ 4.75	30 MIN.	\$28.00	T-20	\$1.50
		60 MIN.	\$ 9.00	60 MIN.	\$38.00	T-30	\$1.70
		90 MIN.	\$14.00	90 MIN.	\$58.00	T-60	\$2.00
				120 MIN.	\$75.00	T-120	\$2.75

**TEL: (818) 763-4744    OUTSIDE CA: (800) 238-8480    FAX: (818) 763-4745**  
**5533 SATSUMA AVE., NORTH HOLLYWOOD, CA 91601**



**With MII RENEW, Panasonic will put MII back together again!**

**The Panasonic Broadcast REFLEX Service Support Program offers MII users a new option to maximize product life—"MII RENEW". A high-level refurbishing of all MII studio machines, MII RENEW is performed by factory trained specialized MII technicians.**

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>* Complete initial inspection of machine for condition and function.</li><li>* Disassembly and cleaning of transport and circuit boards.</li><li>* Replacement of over 32 key items including: drum &amp; brush assy, a/c stack, erase head, brakes, solenoids, pinch assy, tension arms, post rollers &amp; bearings, belts, springs, hour meter, and carriage assy.</li><li>* All mechanical, electrical, and audio alignments set to factory specifications.</li><li>* 53 step intensive quality control procedure.</li></ul> | <ul style="list-style-type: none"><li>* Documentation of all parts replaced, alignments performed, QC print-out of video and audio levels and envelope verification is returned with each unit.</li><li>* Repainted cabinet panels.</li><li>* All renewed units carry a 90 day parts and labor warranty (heads 30 days or 500 hours).</li><li>* Extended 15 month warranty available at reduced price if purchased at time of RENEW.</li><li>* Scheduling to fit your planned down time. A limited number of link machines are available at reduced cost.</li></ul> |
|--|---|

# The MII Advantage

- 1) **Proven.** MII is an established and proven 1/2" format. With over 25,000 MII units delivered to market, MII is here to stay. NBC alone has over 1,100 units in service. Additionally MII international acceptance includes: Thames (England), ORF (Austria), NHK (Japan), KBS (Korea), NOS (Holland). Domestically, the list of MII users is impressive since many large group owners have adopted MII as their format of choice for acquisition, production and airing. A small sampling of these is: Scripts Howard, Knight Ridder, Media General, TV Chronicle, Gannett, Koplar, and Guy Gannett Broadcasting Services.
- 2) **Convenience.** MII uses a much smaller tape cassette than Beta SP (both size cassettes), therefore less storage space is required for 60 and 90 minute tapes. Also, the 20 minute small cassette is easier to handle in the field. MII tape is available from Panasonic, Fuji, and Maxell.
- 3) **Durability.** MII employs a more rugged and durable construction as compared to Betacam SP. MII's transport base (Chassis) is heavier and more rugged. Reel drive motors are rigidly mounted to the transport assembly and do not have to move at all to accommodate different size cassettes. On Beta SP units the reel motors are repositioned when you go from one cassette size to another. This movement of the reel motors creates another area for mechanical failure.
- 4) **Longer Head Life.** MII has a significantly longer head life cycle than Beta SP products. Typical MII head life is between 2000 to 3000 hours. Betacam SP is between 500 to 1500 hours. This is exacerbated by switching between metal particle and metal oxide tapes.
- 5) The MII recording system employs a 2.25MHz analog burst signal inserted in front of both compressed chrome components (luminance also). This 2.25 MHz signal is used as a phase and timing reference when the composite signal is recreated. This enhances the quality of the video output, improves multiple generations, and reduces the velocity errors effects along the TV line.
- 6) **Compatibility with digital.** In the MII system, the TBC uses a digital sampling rate of 13.5 MHz, which is compatible with the CCIR digital sampling rate of 27 MHz.
- 7) **90 Minute Expertise.** For many years, the MII format was the only one that was capable of recording 90 minutes in the field. Sony has recently introduced a new portable that now records 90 minutes, but its cost is approximately 45% greater than the AU-520.
- 8) **Direct Drive Motors -- Standard.** All MII VTRs utilize direct drive motors. Betacam SP uses these direct drive motors only in the studio machines.
- 9) **Precise and Gentler Tape Handling.** All the posts used in the MII tape transport system have ball bearings. This is not the case with Beta SP. This results in a more precise and gentler tape handling.
- 10) **Less wear and abrasion.** The MII system users ceramic edged guideposts, despite their comparatively higher cost, to resist abrasion and wear caused by the tape edges. This type of wear will affect interchangeability. This is especially important in the use of metal particle tape which can cause more severe wear than Oxide formulation. There are no ceramic posts used in the Beta SP format.
- 11) **Closed tension control.** Closed tension control in both the supply and the take-up sides of the tape transport. Applied to both the supply reel and the take-up reel, a stable tension control is achieved not only in play mode, but in FF., REW, Slow and Still modes as well. Beta SP provides controls only on the supply reel.
- 12) **Better Portability.** MII portable VTRs use the same type of control method that the Beta SP machines use, namely the supply side. Conversely, the Beta SP portables use the brake band method that is found in many ordinary consumer type VCRs. This is subject to fluctuations in tape tension caused by time, environmental factors as well as simple wear.

# ultra-sound a/v

for all your tape duplicating needs

10108 Timberlake Road / Lynchburg, VA 24502 / 804 / 237-4549 / fax 237-4982

## Ultra-Sound:

We have been duplicating

quality video programs for over six years.

We use the highest grade tape and shells in order to provide the best possible product. We also perform a quality check on each and every tape that is duplicated to insure and maintain a high standard of excellence. Please call us for a quote on your next duplicating assignment. (804)-237-4549 or fax (804)-237-4982

### Our Commitment: Quality, Dependability, Service

#### Quality

Premium shells  
Real time duplication  
Back coated video tape

#### Dependability

100% guarantee  
100% quality control  
Your deadline always met

#### Service

One stop shop  
Fulfillment services  
No extra for rush orders

MII Users Association of America  
c/o GMG (International), Inc.  
1950 Roland Clarke Place, Suite 100  
Reston, VA 22091

